The Strait of Georgia Ichthyoplankton Survey, 1981. Ichthyoplankton. Cruises 5, 7, and 8 (March 30-April 6, April 14-20 and April 27-May 3).

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December 1982

Canadian Data Report of Fisheries and Aquatic Sciences No. 364

Canadian Data Report of Fisheries and Aquatic Sciences

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Rapport statistique canadien des sciences halieutiques et aquatiques

Ces rapports servent de base à la compilation des données de classement et d'archives pour lesquelles il y a peu ou point d'analyse. Cette compilation aura d'ordinaire été préparée pour appuyer d'autres publications ou rapports. Les sujets des Rapports statistiques reflètent la vaste gamme des intérêts et politiques du Ministère des Pêches et des Océans, notamment gestion des pêches, techniques et développement, sciences océaniques et environnements aquatiques, au Canada.

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THE STRAIT OF GEORGIA ICHTHYOPLANKTON SURVEY, 1981. ICHTHYOPLANKTON. CRUISES 5, 7, AND 8 (MARCH 30-APRIL 6, APRIL 14-20 AND APRIL 27-MAY 3).

by

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Cat. No. Fs 97-13/364 ISSN 0706-6465

ABSTRACT

Mason, J. C., O. D. Kennedy, and A. C. Phillips. 1982. The Strait of Georgia Ichthyoplankton Survey, 1981. Ichthyoplankton. Cruises 5, 7, and 8 (March 30-April 6, April 14-20, and April 27-May 3). Can. Data Rep. Fish. Aquat. Sci. No. 364: iii + 245 p.

This report contains a compilation of corrected catches of juvenile fishes, fish eggs and fish larvae by station, in computer printed format, for the middle three out of nine standardized cruises. These cruises were five to nine days in duration and were conducted on the M.V. CALIGUS.

The survey encompassed the entire length of the Strait of Georgia and Malaspina Strait.

Oblique tows were made using 0.25 m2 Bongos equipped with 351 micron Nitex nets of modified SCOR design. All sampling gear was black to minimize potential avoidance and resulting catch bias. The tow procedure generally followed that established by CALCOFI.

Key words: Ichthyoplankton, Strait of Georgia, Malaspina Strait.

RESUME

Mason, J. C., O. D. Kennedy, and A. C. Phillips. 1982. The Strait of Georgia Ichthyoplankton Survey, 1981. Ichthyoplankton. Cruises 5, 7, and 8 (March 30-April 6, April 14-20, and April 27-May 3). Can. Data Rep. Fish. Aquat. Sci. No. 364: iii + 245 p.

Le présent rapport contient une compilation par station, sous forme d'un imprimé d'ordinateur, des prises corrigées de poissons juvéniles, d'oeufs et de larves de poisson pour la quatrième, cinquième et sixième des neuf expéditions normalisées due CALIGUS, d'une durée de cinq à neuf jours.

Ce levé porte sur toute la longueur des détroits de Géorgie et de Malaspina.

Des traits obliques ont été effectués à l'aide d'engins de type bongo de 0,25 m^2, munis de filets Nitex de 351 microns de conception CRSO modifiée. Tout l'équipement est de couleur noire afin de minimiser l'évitement potentiel qui se traduit par un facteur d'inexactitude pour les prises. La méthode de chalutage suit généralement celle établie pour le programme CALCOFI.

Mots-clés: ichthyoplancton, détroit de Géorgie, détroit de Malaspina.

ORIENTATION AND METHODOLOGY

The Strait of Georgia Ichthyoplankton Survey (1981) was conducted by staff of the Groundfish Program of the Pacific Biological Station, Nanaimo (Fisheries Research Branch). The survey involved eleven cruises of which two were northern cruises covering the Strait of Georgia and Malaspina Strait from north of the Ballenas Islands to north of Texada Island. The remaining nine cruises covered the central and southern Strait of Georgia in standardized cruises. This present report concerns all oblique tows taken in the middle three cruises of the southern Strait of Georgia in 1981.

The 1981 survey was a routine survey to provide distribution patterns of fish eggs and larvae and to give an estimate of total biomass of resident hake and walleye pollock stocks. A total of 80 stations were occupied every two weeks (Fig. 1). The stations are listed by grid number, location, (latitude and longitude) and depth in Table 1.

All tows were made using 0.25^2 Bongos equipped with 351 micron Nitex nets of modified SCOR design, and General Oceanics center-mounted flow meters. A 90 kg cylindrical weight was suspended from the yoke of the Bongos. All sampling gear was black to minimize potential avoidance and resulting catch bias.

The tow procedure for oblique tows generally followed that established by CALCOFI: vessel speed of I m/s gear descent at a cable pay-out rate of 50 m/min, and gear ascent at a cable recovery rate of 20 m/min. Tows were made to within 20 m of the sea floor at all stations.

The recovered nets were thoroughly washed down with a high-pressure deck hose and the resulting catches were preserved in 5% buffered seawater formaldehyde for processing ashore. In the laboratory, fish, fish eggs, and larvae, euphausiids and other selected invertebrate groups were extracted from one-net catches. The entire catches from the other net were retained in a row reference collection for future use.

The following data base consists of corrected catches of juvenile fishes, fish eggs and fish larvae, identified to the lowest possible systematic categories considering the present state of knowledge of Canadian Pacific ichthyoplankton.

Sampling station locations.

Grid	Location		Depth (m)
85.35	49° 22.8'N	124° 10.3'W	350
84.31	49° 25.6'N	124° 05.6'W	345
84.28	49° 28.0'N	124° 03.1'W	340
82.36	49° 20.3'N	124° 07.4'W	384
82.33	49° 22.8'N	124° 04.8'W	250
81.30	49° 24.7'N	124° 01.0'W	400
81.27	49° 27.2'N	123° 58.4'W	210
79.36	49° 18.2'N	124° 04.0'W	293
79.34	49° 20.3'N	124° 01.9'W	403
78.32	49° 21.4'N	123° 58.9'W	232
78.29	49° 23.9'N	123° 56.3'W	338
78.25	49° 27.2'N	123° 52.9'W	210
76.34	49° 18.6'N	123° 58.1'W	412
76.27	49° 24.4'N	123° 52.1'W	192
75.30	49° 21.4'N	123° 53.4'W	425
74.36	49° 15.8'N	123° 57.3'W	315
74.33	49° 18.3'N	123° 54.7'W	418
73.24	49° 25.2'N	123° 45.8'W	174
72.30	49° 19.7'N	123° 49.6'W	403
72.27	49° 22.2'N	123° 47.0'W	147
71.36	49° 14.2'N	123° 53.5'W	200
71.33	49° 16.6'N	123° 50.9'W	403
69.29	49° 18.8'N	123° 45.0'W	320
69.26	49° 21.3'N	123° 42.4'W	210
68.35	49° 13.3'N	123° 48.8'W	195
68.32	49° 15.8'N	123° 46.3'W	399
68.23	49° 23.2'N	123° 38.6'W	186
67.27	49° 19.4'N	123° 40.7'W	195
65.33	49° 13.3'N	123° 43.3'W	394
65.30	49° 15.8'N	123° 40.8'W	378
64.25	49° 19.3'N	123° 35.2'W	175
63.28	49° 16.3'N	123° 36.5'W	281
62.35	49° 10.0'N	123° 41.2'W	165
62.31	49° 13.3'N	123° 37.8'W	375
62.22	49° 20.7'N	123° 30.1'W	210
61.25	49° 17.7'N	123° 31.4'W	201
60.28	49° 14.6'N	123° 32.7'W	351
59.31	49° 11.6'N	123° 34.0'W	340
59.23	49° 18.2'N	123° 27.2'W	145
58.35	49° 07.7'N	123° 36.2'W	220
57.26	49° 14.6'N	123° 27.2'W	298
56.29	49° 11.6'N	123° 28.5'W	329
56.23	49° 16.5'N	123° 23.4'W	250
56.20	49° 19.0'N	123° 20.8'W	220
55.38	49° 03.6'N	123° 34.9'W	195
55.32	49° 08.5'N	123° 29.8'W	332
54.26	49° 12.9'N	123° 23.4'W	285
53.35	49° 04.9'N	123° 29.8'W	330
53.29	49° 09.9'N	123° 24.7'W	235

Sampling station locations (cont'd).

Grid	Location		Depth (m)
53.23	49° 14.9'N	123° 19.6'W	175
52.38	49° 01.9'N	123° 31.1'W	240
51.32	49° 06.3'N	123° 24.7'W	265
51.26	49° 11.3'N	123° 19.6'W	192
50.35	49° 03.3'N	123° 26.0'W	310
49.38	49° 00.2'N	123° 27.3'W	240
49.29	49° 07.7'N	123° 19.7'W	143
48.33	49° 03.8'N	123° 21.8'W	230
46.39	48° 57.7'N	123° 24.4'W	230
46.36	49° 00.2'N	123° 21.8'W	250
44.33	49° 01.6'N	123° 16.7'W	130
43.39	48° 55.6'N	123° 21.0'W	195
43.37	48° 57.7'N	123° 18.9'W	200
41.35	48° 58.2'N	123° 14.7'W	155
40.39	48° 54.4'N	123° 16.8'W	192
40.37	48° 56.0'N	123° 15.1'W	160
37.39	48° 52.3'N	123° 13.4'W	210
37.34	48° 56.8'N	123° 08.7'W	112
36.37	48° 53.8'N	123° 10.0'W	135
34.39	48° 50.6'N	123° 09.6'W	210
33.33	48° 55.4'N	123° 02.8'W	127
32.40	48° 49.1'N	123° 07.5'W	146
31.38	48° 49.7'N	123° 05.0'W	200
31.36	48° 51.8'N	123° 02.9'W	175
29.38	48° 48.6'N	123° 02.5'W	183
29.32	48° 54.0'N	122° 56.9'W	120
28.34	48° 51.7'N	122° 58.4'W	215
28.37	48° 49.3'N	122° 59.9'W	240
26.38	48° 47.4'N	122° 58.2'W	210
26.34	48° 50.7'N	122° 54.8'W	192
25.36	48° 48.5'N	122° 55.3'W	210

TABLE:	1	WIND DIRECTION:	360 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	1	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	30/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.0 C	VOL. FILTERED:	270 M3
POSITION:	49 15.8 N 123 57.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	74 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	322 M	TIME OF TOW:	0640 HR	ALIQUOT:	
		DEPTH OF TOW:	285 M	S.H.F.:	10.56

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	40.	3.2	148.1	422.4
MERLUCCIUS PRODUCTUS	857.	68.4	3174.1	9049.9
THERAGRA CHALCOGRAMMA	350.	27.9	1296.3	3696.0
LYOPSETTA EXILIS	1.	0.1	3.7	10.6
MICROSTOMUS PACIFICUS	5.	0.4	18.5	52.8
TOTAL	1253.	100.0	4640.7	13231.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	55.	16.4	203.7	580.8
MERLUCCIUS PRODUCTUS	190.	56.7	703.7	2006.4
MICROGADUS PROXIMUS	1.	0.3	3.7	10.6
THERAGRA CHALCOGRAMMA	83.	24.8	307.4	876.5
SCORPAENIDAE(FAMILY)	4.	1.2	14.8	42.2
INOPSETTA ISCHYRA	1.	0.3	3.7	10.6
PSETTICHTHYS MELANOSTICTUS	1.	0.3	3.7	10.6
TOTAL	335.	100.0	1240.7	3537.6

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	66.7	7.4	21.1
LYCODAPUS MANDIBULARIS	1.	33.3	3.7	10.6
TOTAL	3.	100.0	11.1	31.7

TABLE: 2	WIND DIRECTION: 135 DEG	TOW SPEED: 1 MPS
CRUISE: SG 81- 5	WIND VELOCITY: 3 MPS	TYPE OF TOW: OBLIQUE
SAMPLE NO.: 2	WAVE HEIGHT:	GEAR TYPE: BONGO .25 M2
DATE: 30/ 3/81	SWELL HEIGHT:	MESH SIZE: .351 MM
VESSEL: CALIGUS	SURFACE TEMP: 8.6 C	VOL. FILTERED: 362 M3
POSITION: 49 18.6 N 123 58.1 W	STD NUMBER:	DISP. VOLUME:
GRID POSITION: 76 . 34	BT/XBT NUMBER:	PLANKTON CONC.:
BOTTOM DEPTH: 409 M	TIME OF TOW: 0727 HR	ALIQUOT:
	DEPTH OF TOW: 394 M	S.H.F.: 10.88

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.1	2.8	10.9
LEUROGLOSSUS STILBIUS	49.	2.8	135.4	533.1
MERLUCCIUS PRODUCTUS	1320.	76.3	3646.4	14361.6
THERAGRA CHALCOGRAMMA	357.	20.6	986.2	3884.2
LYOPSETTA EXILIS	2.	0.1	5.5	21.8
MICROSTOMUS PACIFICUS	1.	0.1	2.8	10.9
TOTAL	1730.	100.0	4779.0	18822.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	66.	15.2	182.3	718.1
MERLUCCIUS PRODUCTUS	274.	63.3	756.9	2981.1
THERAGRA CHALCOGRAMMA	91.	21.0	251.4	990.1
SCORPAENIDAE(FAMILY)	2.	0.5	5.5	21.8
TOTAL	433.	100.0	1196.1	4711.0

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	100.0	5.5	21.8
TOTAL	2.	100.0	5.5	21.8

TABLE:	3	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	3	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	30/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CAI IGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	224 M3
POSITION:	49 18.2 N 124 4.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	79 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	239 M	TIME OF TOW:	0830 HR	ALIQUOT:	
		DEPTH OF TOW:	217 M	S.H.F.:	9.68

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	0.1	8.9	19.4
LEUROGLOSSUS STILBIUS	26.	1.1	116.1	251.7
MERLUCCIUS PRODUCTUS	2189.	93.8	9772.3	21189.5
THERAGRA CHALCOGRAMMA	111.	4.8	495.5	1074.5
LYOPSETTA EXILIS	5.	0.2	22.3	48.4
TOTAL	2333.	100.0	10415.2	22583.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	34.	18.7	151.8	329.1
MERLUCCIUS PRODUCTUS	85.	46.7	379.5	822.8
THERAGRA CHALCOGRAMMA	59.	32.4	263.4	571.1
SCORPAENIDAE(FAMILY)	4.	2.2	17.9	38.7
TOTAL	182.	100.0	812.5	1761.8

TABLE:	4	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY.	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	4	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	30/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	350 M3
POSITION:	49 20.3 N 124 7.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	82 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	383 M	TIME OF TOW:	0913 HR	ALIQUOT:	
		DEPTH OF TOW:	358 M	S.H.F.:	10.22

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.0	2.9	10.2
LEUROGLOSSUS STILBIUS	57.	1.7	162.9	582.5
MERLUCCIUS PRODUCTUS	3163.	92.7	9037.1	32325.9
THERAGRA CHALCOGRAMMA	188.	5.5	537.1	1921.4
LYOPSETTA EXILIS	3.	0.1	8.6	30.7
TOTAL	3412.	100.0	9748.6	34870.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	33.	11.5	94.3	337.3
STENOBRACHIUS LEUCOPSARUS	1.	0.3	2.9	10.2
MERLUCCIUS PRODUCTUS	189.	66.1	540.0	1931.6
MICROGADUS PROXIMUS	2.	0.7	5.7	20.4
THERAGRA CHALCOGRAMMA	47.	16.4	134.3	480.3
SCORPAENIDAE(FAMILY)	13.	4.5	37.1	132.9
COTTIDAE(FAMILY)	1.	0.3	2.9	10.2
TOTAL	286.	100.0	817.1	2922.9

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	50.0	2.9	10.2
LYCODAPUS MANDIBULARIS	1.	50.0	2.9	10.2
TOTAL	2.	100.0	5.7	20.4

TABLE:	5	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	5	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	30/ 3/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.4 C	VOL. FILTERED:	328 M3
POSITION:	49 22.8 N 124 10.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	85 . 35	BT/XBT NUMBER:	1	PLANKTON CONC.:	
BOTTOM DEPTH:	350 M	TIME OF TOW:	1004 HR	ALIQUOT:	
		DEPTH OF TOW:	335 M	S.H.F.:	10.22

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	4.	0.1	12.2	40.9
LEUROGLOSSUS STILBIUS	28.	0.8	85.4	286.2
MERLUCCIUS PRODUCTUS	2964.	89.2	9036.6	30292.1
THERAGRA CHALCOGRAMMA	322.	9.7	981.7	3290.8
LYOPSETTA EXILIS	5.	0.2	15.2	51.1
TOTAL	3323.	100.0	10131.1	33961.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	32.	14.8	97.6	327.0
MERLUCCIUS PRODUCTUS	114.	52.8	347.6	1165.1
MICROGADUS PROXIMUS	2.	0.9	6.1	20.4
THERAGRA CHALCOGRAMMA	57.	26.4	173.8	582.5
LYCODAPUS MANDIBULARIS	1.	0.5	3.0	10.2
SCORPAENIDAE(FAMILY)	10.	4.6	30.5	102.2
TOTAL	216.	100.0	658.5	2207.5

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LYCODAPUS MANDIBULARIS	1.	100.0	3.0	10.2
TOTAL	1.	100.0	3.0	10.2

TABLE: 6
CRUISE: SG 81- 5
SAMPLE NO.: 6
DATE: 30/ 3/81
VESSEL: CALIGUS
POSITION: 49 25.6 N 124 5.6 W
GRID POSITION: 84 . 31
BOTTOM DEPTH: 328 M

WIND DIRECTION: 135 DEG
WIND VELOCITY: 18 MPS
WAVE HEIGHT:
SWELL HEIGHT: 1 M
SURFACE TEMP: 8.9 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 1105 HR
DEPTH OF TOW: 328 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 300 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 10.95

EGGS

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	26.	1.3	86.7	284.7
MERLUCCIUS PRODUCTUS	1539.	76.0	5130.0	16852.0
THERAGRA CHALCOGRAMMA	457.	22.6	1523.3	5004.1
LYOPSETTA EXILIS	2.	0.1	6.7	21.9
TOTAL	2024.	100.0	6746.7	22162.8

LARVAE

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	10.	6.3	33.3	109.5
LEUROGLOSSUS STILBIUS	42.	26.4	140.0	459.9
MERLUCCIUS PRODUCTUS	54.	34.0	180.0	591.3
THERAGRA CHALCOGRAMMA	50.	31.4	166.7	547.5
SCORPAENIDAE(FAMILY)	3.	1.9	10.0	32.8
TOTAL	159.	100.0	530.0	1741.1

JUVENILES

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.3	10.9
TOTAL	1.	100.0	3.3	10.9

TABLE:	7	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	7	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	31/ 3/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	204 M3
POSITION:	49 14.2 N 123 53.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	71 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	208 M	TIME OF TOW:	0628 HR	ALIQUOT:	
		DEPTH OF TOW:	197 M	S.H.F.:	9.64

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	3.	0.1	14.7	28.9
LEUROGLOSSUS STILBIUS	30.	0.9	147.1	289.2
MERLUCCIUS PRODUCTUS	3158.	90.1	15480.4	30443.1
MICROGADUS PROXIMUS	3.	0.1	14.7	28.9
THERAGRA CHALCOGRAMMA	308.	8.8	1509.8	2969.1
LYOPSETTA EXILIS	2.	0.1	9.8	19.3
TOTAL	3504.	100.0	17176.5	33778.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.5	4.9	9.6
CLUPEA HARENGUS	10.	5.2	49.0	96.4
LEUROGLOSSUS STILBIUS	22.	11.5	107.8	212.1
MERLUCCIUS PRODUCTUS	67.	34.9	328.4	645.9
THERAGRA CHALCOGRAMMA	76.	39.6	372.5	732.6
SCORPAENIDAE(FAMILY)	14.	7.3	68.6	135.0
CYCLOPTERIDAE(FAMILY)	1.	0.5	4.9	9.6
PSETTICHTHYS MELANOSTICTUS	1.	0.5	4.9	9.6
TOTAL	192.	100.0	941.2	1850.9

TABLE:	8	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	8	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	31/ 3/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	274 M3
POSITION:	49 21.4 N 123 58.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	78 . 32	BT/XBT NUMBER:	2	PLANKTON CONC.:	
BOTTOM DEPTH:	271 M	TIME OF TOW:	0800 HR	ALIQUOT:	
		DEPTH OF TOW:	250 M	S.H.F.:	9.13

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.0	3.6	9.1
LEUROGLOSSUS STILBIUS	26.	1.3	94.9	237.4
MERLUCCIUS PRODUCTUS	1144.	55.8	4175.2	10444.7
THERAGRA CHALCOGRAMMA	876.	42.7	3197.1	7997.9
LYOPSETTA EXILIS	3.	0.1	10.9	27.4
MICROSTOMUS PACIFICUS	1.	0.0	3.6	9.1
TOTAL	2051.	100.0	7485.4	18725.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	39.	13.0	142.3	356.1
MERLUCCIUS PRODUCTUS	171.	57.0	624.1	1561.2
THERAGRA CHALCOGRAMMA	87.	29.0	317.5	794.3
LYCONECTES ALEUTENSIS	1.	0.3	3.6	9.1
INOPSETTA ISCHYRA	1.	0.3	3.6	9.1
LYOPSETTA EXILIS	1.	0.3	3.6	9.1
TOTAL	300.	100.0	1094.9	2739.0

TABLE:	9	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	9	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	31/ 3/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.7 C	VOL. FILTERED:	373 M3
POSITION:	49 20.3 N 124 1.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	79 . 34	BT/XBT NUMBER:	3	PLANKTON CONC.:	
BOTTOM DEPTH:	405 M	TIME OF TOW:	0845 HR	ALIQUOT:	
		DEPTH OF TOW:	381 M	S.H.F.:	10.22

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	43.	2.3	115.3	439.5
MERLUCCIUS PRODUCTUS	1239.	65.3	3321.7	12662.6
THERAGRA CHALCOGRAMMA	611.	32.2	1638.1	6244.4
LYOPSETTA EXILIS	3.	0.2	8.0	30.7
MICROSTOMUS PACIFICUS	1.	0.1	2.7	10.2
TOTAL	1897.	100.0	5085.8	19387.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	62.	15.8	166.2	633.6
MERLUCCIUS PRODUCTUS	260.	66.2	697.1	2657.2
THERAGRA CHALCOGRAMMA	68.	17.3	182.3	695.0
SCORPAENIDAE(FAMILY)	2.	0.5	5.4	20.4
INOPSETTA ISCHYRA	1.	0.3	2.7	10.2
TOTAL	393.	100.0	1053.6	4016.5

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	2.7	10.2
TOTAL	1.	100.0	2.7	10.2

TABLE:	10	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	10	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	31/ 3/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	279 M3
POSITION:	49 22.8 N 124 4.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	82 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	248 M	TIME OF TOW:	0944 HR	ALIQUOT:	
		DEPTH OF TOW:	234 M	S.H.F.:	8.37

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES				
LEUROGLOSSUS STILBIUS	6.	0.2	21.5	50.2
MERLUCCIUS PRODUCTUS	32.	0.8	114.7	267.8
THERAGRA CHALCOGRAMMA	3405.	85.1	12204.3	28499.8
MICROSTOMUS PACIFICUS	554.	13.9	1985.7	4637.0
	3.	0.1	10.8	25.1
TOTAL	4000.	100.0	14336.9	33480.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	44.	15.8	157.7	368.3
MERLUCCIUS PRODUCTUS	142.	50.9	509.0	1188.5
THERAGRA CHALCOGRAMMA	84.	30.1	301.1	703.1
SCORPAENIDAE(FAMILY)	3.	1.1	10.8	25.1
INOPSETTA ISCHYRA	6.	2.2	21.5	50.2
TOTAL	279.	100.0	1000.0	2335.2

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.6	8.4
TOTAL	1.	100.0	3.6	8.4

TABLE:	11	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	11	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	31/ 3/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.9 C	VOL. FILTERED:	378 M3
POSITION:	49 24.7 N 124 1.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	81 . 30	BT/XBT NUMBER:	4	PLANKTON CONC.:	
BOTTOM DEPTH:	401 M	TIME OF TOW:	1036 HR	ALIQUOT:	
		DEPTH OF TOW:	359 M	S.H.F.:	9.49

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	65.	1.3	172.0	616.8
MERLUCCIUS PRODUCTUS	3561.	73.8	9420.6	33793.9
MICROGADUS PROXIMUS	4.	0.1	10.6	38.0
THERAGRA CHALCOGRAMMA	1197.	24.8	3166.7	11359.5
TOTAL	4827.	100.0	12769.8	45808.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	65.	13.0	172.0	616.8
STENOBRACHIUS LEUCOPSARUS	4.	0.8	10.6	38.0
MERLUCCIUS PRODUCTUS	236.	47.3	624.3	2239.6
MICROGADUS PROXIMUS	4.	0.8	10.6	38.0
THERAGRA CHALCOGRAMMA	175.	35.1	463.0	1660.8
AMMODYTES HEXAPTERUS	4.	0.8	10.6	38.0
SCORPAENIDAE(FAMILY)	11.	2.2	29.1	104.4
TOTAL	499.	100.0	1320.1	4735.5

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	50.0	2.6	9.5
NECTOLIPARIS PELAGICUS	1.	50.0	2.6	9.5
TOTAL	2.	100.0	5.3	19.0

TABLE:	12	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	12	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	31/ 3/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.1 C	VOL. FILTERED:	296 M3
POSITION:	49 28.0 N 124 3.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	84 . 28	BT/XBT NUMBER:	5	PLANKTON CONC.:	
BOTTOM DEPTH:	338 M	TIME OF TOW:	1144 HR	ALIQUOT:	
		DEPTH OF TOW:	325 M	S.H.F.:	10.96

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	38.	0.6	128.4	416.5
MERLUCCIUS PRODUCTUS	5750.	94.0	19425.7	63020.0
THERAGRA CHALCOGRAMMA	322.	5.3	1087.8	3529.1
MICROSTOMUS PACIFICUS	5.	0.1	16.9	54.8
TOTAL	6115.	100.0	20658.8	67020.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	29.	4.9	98.0	317.8
MERLUCCIUS PRODUCTUS	394.	66.7	1331.1	4318.2
THERAGRA CHALCOGRAMMA	149.	25.2	503.4	1633.0
SCORPAENIDAE(FAMILY)	14.	2.4	47.3	153.4
INOPSETTA ISCHYRA	5.	0.8	16.9	54.8
TOTAL	591.	100.0	1996.6	6477.4

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	50.0	3.4	11.0
GILBERTIDIA SIGALUTES	1.	50.0	3.4	11.0
TOTAL	2.	100.0	6.8	21.9

TABLE: 13
CRUISE: SG 81- 5
SAMPLE NO.: 13
DATE: 31/ 3/81
VESSEL: CALIGUS
POSITION: 49 27.2 N 123 58.4 W
GRID POSITION: 81 . 27
BOTTOM DEPTH: 202 M

WIND DIRECTION: 135 DEG
WIND VELOCITY: 5 MPS
WAVE HEIGHT:
SWELL HEIGHT: 1 M
SURFACE TEMP: 9.1 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 1245 HR
DEPTH OF TOW: 193 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 189 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 10.22

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	8.	0.3	42.3	81.8
MERLUCCIUS PRODUCTUS	2833.	88.6	14989.4	28953.3
THERAGRA CHALCOGRAMMA	351.	11.0	1857.1	3587.2
LYOPSETTA EXILIS	4.	0.1	21.2	40.9
MICROSTOMUS PACIFICUS	1.	0.0	5.3	10.2
TOTAL	3197.	100.0	16915.3	32673.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	24.	7.1	127.0	245.3
MERLUCCIUS PRODUCTUS	113.	33.5	597.9	1154.9
MICROGADUS PROXIMUS	1.	0.3	5.3	10.2
THERAGRA CHALCOGRAMMA	176.	52.2	931.2	1798.7
RONQUILUS JORDANI	1.	0.3	5.3	10.2
AMMODYTES HEXAPTERUS	1.	0.3	5.3	10.2
SCORPAENIDAE(FAMILY)	15.	4.5	79.4	153.3
COTTIDAE(FAMILY)	1.	0.3	5.3	10.2
CYCLOPTERIDAE(FAMILY)	1.	0.3	5.3	10.2
INOPSETTA ISCHYRA	1.	0.3	5.3	10.2
PSETTICHTHYS MELANOSTICTUS	3.	0.9	15.9	30.7
TOTAL	337.	100.0	1783.1	3444.1

TABLE:	14	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	6 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	14	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	31/ 3/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.2 C	VOL. FILTERED:	190 M3
POSITION:	49 27.2 N 123 52.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	78 . 25	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	212 M	TIME OF TOW:	1333 HR	ALIQUOT:	
		DEPTH OF TOW:	207 M	S.H.F.:	10.91

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	9.	0.3	47.4	98.2
MERLUCCIUS PRODUCTUS	3004.	95.0	15810.5	32773.6
THERAGRA CHALCOGRAMMA	147.	4.6	773.7	1603.6
MICROSTOMUS PACIFICUS	2.	0.1	10.5	21.8
TOTAL	3162.	100.0	16642.1	34497.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	5.	1.3	26.3	54.5
LEUROGLOSSUS STILBIUS	33.	8.7	173.7	360.0
MERLUCCIUS PRODUCTUS	188.	49.7	989.5	2051.1
THERAGRA CHALCOGRAMMA	147.	38.9	773.7	1603.8
SCORPAENIDAE(FAMILY)	2.	0.5	10.5	21.8
AGONIDAE(FAMILY)	1.	0.3	5.3	10.9
INOPSETTA ISCHYRA	2.	0.5	10.5	21.8
TOTAL	378.	100.0	1989.5	4124.0

TABLE:	15	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	15	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	31/ 3/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.9 C	VOL. FILTERED:	182 M3
POSITION:	49 24.4 N 123 52.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	76 . 27	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	188 M	TIME OF TOW:	1415 HR	ALIQUOT:	
		DEPTH OF TOW:	183 M	S.H.F.:	10.06

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	6.	0.3	33.0	60.4
LEUROGLOSSUS STILBIUS	14.	0.7	76.9	140.8
MERLUCCIUS PRODUCTUS	1706.	85.3	9373.6	17162.4
THERAGRA CHALCOGRAMMA	272.	13.6	1494.5	2736.3
LYOPSETTA EXILIS	1.	0.1	5.5	10.1
TOTAL	1999.	100.0	10983.5	20109.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	24.	9.9	131.9	241.4
MERLUCCIUS PRODUCTUS	104.	42.8	571.4	1046.2
THERAGRA CHALCOGRAMMA	112.	46.1	615.4	1126.7
SCORPAENIDAE(FAMILY)	3.	1.2	16.5	30.2
TOTAL	243.	100.0	1335.2	2444.6

TABLE: 16	WIND DIRECTION: 135 DEG		TOW SPEED: 1 MPS
CRUISE: SG 81- 5	WIND VELOCITY: 6 MPS		TYPE OF TOW: OBLIQUE
SAMPLE NO.: 16	WAVE HEIGHT:		GEAR TYPE: BONGO .25 M2
DATE: 31/ 3/81	SWELL HEIGHT: 1 M		MESH SIZE: .351 MM
VESSEL: CALIGUS	SURFACE TEMP: 8.9 C		VOL. FILTERED: 293 M3
POSITION: 49 23.9 N 123 56.3 W	STD NUMBER:		DISP. VOLUME:
GRID POSITION: 78 . 29	BT/XBT NUMBER: 6		PLANKTON CONC.:
BOTTOM DEPTH: 345 M	TIME OF TOW: 1455 HR		ALIQUOT:
	DEPTH OF TOW: 330 M		S.H.F.: 11.04

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	31.	0.6	105.8	342.2
MERLUCCIUS PRODUCTUS	3764.	78.1	12846.4	41554.6
THERAGRA CHALCOGRAMMA	1018.	21.1	3474.4	11238.7
LYOPSETTA EXILIS	4.	0.1	13.7	44.2
TOTAL	4817.	100.0	16440.3	5317[illegible].7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	66.	10.8	225.3	728.6
MERLUCCIUS PRODUCTUS	406.	66.7	1385.7	4482.2
THERAGRA CHALCOGRAMMA	137.	22.5	467.6	15[illegible]2.5
TOTAL	609.	100.0	2078.5	6723.4

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	50.0	3.4	11.0
STENOBRACHIUS LEUCOPSARUS	1.	50.0	3.4	11.0
TOTAL	2.	100.0	6.8	22.1

TABLE:	17	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	17	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	31/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.9 C	VOL. FILTERED:	325 M3
POSITION:	49 21.4 N 123 53.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	75 . 30	BT/XBT NUMBER:	7	PLANKTON CONC.:	
BOTTOM DEPTH:	433 M	TIME OF TOW:	1551 HR	ALIQUOT:	
		DEPTH OF TOW:	418 M	S.H.F.:	12.85

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	64.	2.7	196.9	822.4
MERLUCCIUS PRODUCTUS	1769.	73.5	5443.1	22731.7
THERAGRA CHALCOGRAMMA	571.	23.7	1756.9	7337.4
LYOPSETTA EXILIS	1.	0.0	3.1	12.9
MICROSTOMUS PACIFICUS	2.	0.1	6.2	25.7
TOTAL	2407.	100.0	7406.2	30929.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	1.	0.3	3.1	12.9
LEUROGLOSSUS STILBIUS	72.	18.0	221.5	925.2
MERLUCCIUS PRODUCTUS	277.	69.3	852.3	3559.5
THERAGRA CHALCOGRAMMA	47.	11.8	144.6	604.0
SCORPAENIDAE(FAMILY)	3.	0.8	9.2	38.6
TOTAL	400.	100.0	1230.8	5140.0

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	6.	100.0	18.5	77.1
TOTAL	6.	100.0	18.5	77.1

TABLE:	18	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	18	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	31/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	355 M3
POSITION:	49 19.7 N 123 49.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	72 . 30	BT/XBT NUMBER:	8	PLANKTON CONC.:	
BOTTOM DEPTH:	409 M	TIME OF TOW:	1703 HR	ALIQUOT:	
		DEPTH OF TOW:	394 M	S.H.F.:	11.11

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.1	2.8	11.1
LEUROGLOSSUS STILBIUS	61.	3.9	171.8	677.7
MERLUCCIUS PRODUCTUS	741.	47.7	2087.3	8232.5
THERAGRA CHALCOGRAMMA	741.	47.7	2087.3	8232.5
GLYPTOCEPHALUS ZACHIRUS	2.	0.1	5.6	22.2
LYOPSETTA EXILIS	1.	0.1	2.8	11.1
MICROSTOMUS PACIFICUS	6.	0.4	16.9	66.7
TOTAL	1553.	100.0	4374.6	17253.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	8.	2.2	22.5	88.9
LEUROGLOSSUS STILBIUS	67.	18.4	188.7	744.4
MERLUCCIUS PRODUCTUS	228.	62.6	642.3	2533.1
THERAGRA CHALCOGRAMMA	55.	15.1	154.9	611.0
SCORPAENIDAE(FAMILY)	5.	1.4	14.1	55.5
MICROSTOMUS PACIFICUS	1.	0.3	2.8	11.1
TOTAL	364.	100.0	1025.4	4044.0

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	33.3	2.8	11.1
LYCODAPUS MANDIBULARIS	1.	33.3	2.8	11.1
NECTOLIPARIS PELAGICUS	1.	33.3	2.8	11.1
TOTAL	3.	100.0	8.5	33.3

TABLE:	19	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	19	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.9 C	VOL. FILTERED:	328 M3
POSITION:	49 18.3 N 123 54.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	74 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	410 M	TIME OF TOW:	1020 HR	ALIQUOT:	
		DEPTH OF TOW:	359 M	S.H.F.:	10.95

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	0.1	6.1	21.9
LEUROGLOSSUS STILBIUS	61.	3.9	186.0	668.0
MERLUCCIUS PRODUCTUS	837.	54.1	2551.8	9165.1
THERAGRA CHALCOGRAMMA	647.	41.8	1972.6	7084.6
TOTAL	1547.	100.0	4716.5	16939.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	1.	0.2	3.0	10.9
LEUROGLOSSUS STILBIUS	123.	22.9	375.0	1346.8
MERLUCCIUS PRODUCTUS	359.	66.7	1094.5	3931.1
THERAGRA CHALCOGRAMMA	52.	9.7	158.5	569.4
SCORPAENIDAE(FAMILY)	2.	0.4	6.1	21.9
PSETTICHTHYS MELANOSTICTUS	1.	0.2	3.0	10.9
TOTAL	538.	100.0	1640.2	5891.1

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	100.0	6.1	21.9
TOTAL	2.	100.0	6.1	21.9

TABLE:	20	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	20	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.0 C	VOL. FILTERED:	354 M3
POSITION:	49 16.6 N 123 50.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	71 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	405 M	TIME OF TOW:	1115 HR	ALIQUOT:	
		DEPTH OF TOW:	369 M	S.H.F.:	10.43

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	0.1	5.6	20.9
LEUROGLOSSUS STILBIUS	51.	2.6	144.1	531.9
MERLUCCIUS PRODUCTUS	1038.	52.2	2932.2	10826.3
THERAGRA CHALCOGRAMMA	889.	44.7	2511.3	9272.3
GLYPTOCEPHALUS ZACHIRUS	2.	0.1	5.6	20.9
HIPPOGLOSSOIDES ELASSODON	3.	0.2	8.5	31.3
LYOPSETTA EXILIS	3.	0.2	8.5	31.3
TOTAL	1988.	100.0	5615.8	20734.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	15.	3.4	42.4	156.5
LEUROGLOSSUS STILBIUS	92.	20.8	259.9	959.6
GADUS MACROCEPHALUS	2.	0.5	5.6	20.9
MERLUCCIUS PRODUCTUS	245.	55.4	692.1	2555.4
THERAGRA CHALCOGRAMMA	71.	16.1	200.6	740.5
AMMODYTES HEXAPTERUS	2.	0.5	5.6	20.9
SCORPAENIDAE(FAMILY)	11.	2.5	31.1	114.7
PLEURONECTIDAE(FAMILY)	3.	0.7	8.5	31.3
PLATICHTHYS STELLATUS	1.	0.2	2.8	10.4
TOTAL	442.	100.0	1248.6	4610.1

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	2.8	10.4
TOTAL	1.	100.0	2.8	10.4

TABLE:	21	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	21	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.2 C	VOL. FILTERED:	167 M3
POSITION:	49 13.3 N 123 48.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	68 . 35	BT/XBT NUMBER:	9	PLANKTON CONC.:	
BOTTOM DEPTH:	178 M	TIME OF TOW:	1220 HR	ALIQUOT:	
		DEPTH OF TOW:	158 M	S.H.F.:	9.45

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.1	6.0	9.4
LEUROGLOSSUS STILBIUS	8.	0.8	47.9	75.6
MERLUCCIUS PRODUCTUS	892.	90.3	5341.3	8429.4
MICROGADUS PROXIMUS	1.	0.1	6.0	9.4
THERAGRA CHALCOGRAMMA	83.	8.4	497.0	784.3
LYOPSETTA EXILIS	2.	0.2	12.0	18.9
MICROSTOMUS PACIFICUS	1.	0.1	6.0	9.4
TOTAL	988.	100.0	5916.2	9336.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	29.	15.3	173.7	274.0
LEUROGLOSSUS STILBIUS	46.	24.2	275.4	434.7
STENOBRACHIUS LEUCOPSARUS	2.	1.1	12.0	18.9
MERLUCCIUS PRODUCTUS	33.	17.4	197.6	311.9
MICROGADUS PROXIMUS	2.	1.1	12.0	18.9
THERAGRA CHALCOGRAMMA	57.	30.0	341.3	538.6
SCORPAENIDAE(FAMILY)	13.	6.8	77.8	122.8
CYCLOPTERIDAE(FAMILY)	1.	0.5	6.0	9.4
PSETTICHTHYS MELANOSTICTUS	7.	3.7	41.9	66.2
TOTAL	190.	100.0	1137.7	1795.5

TABLE:	22	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	22	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.0 C	VOL. FILTERED:	354 M3
POSITION:	49 13.3 N 123 43.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	65 . 33	BT/XBT NUMBER:	10	PLANKTON CONC.:	
BOTTOM DEPTH:	395 M	TIME OF TOW:	1305 HR	ALIQUOT:	
		DEPTH OF TOW:	380 M	S.H.F.:	10.75

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES				
LEUROGLOSSUS STILBIUS	5.	0.1	14.1	53.8
MERLUCCIUS PRODUCTUS	47.	0.9	132.8	505.3
THERAGRA CHALCOGRAMMA	4254.	79.8	12016.9	45730.5
	1025.	19.2	2895.5	11018.8
TOTAL	5331.	100.0	15059.3	57308.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	263.	28.3	742.9	2827.3
LEUROGLOSSUS STILBIUS	113.	12.2	319.2	1214.8
MERLUCCIUS PRODUCTUS	301.	32.4	850.3	3235.8
MICROGADUS PROXIMUS	5.	0.5	14.1	53.8
THERAGRA CHALCOGRAMMA	207.	22.3	584.7	2225.3
SCORPAENIDAE(FAMILY)	38.	4.1	107.3	408.5
COTTIDAE(FAMILY)	1.	0.1	2.8	10.8
TOTAL	928.	100.0	2621.5	9976.0

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	100.0	5.6	21.5
TOTAL	2.	100.0	5.6	21.5

TABLE:	23	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	23	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:		VOL. FILTERED:	358 M3
POSITION:	49 15.8 N 123 46.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	68 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	401 M	TIME OF TOW:	1410 HR	ALIQUOT:	
		DEPTH OF TOW:	385 M	S.H.F.:	10.76

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	5.	0.1	14.0	53.8
LEUROGLOSSUS STILBIUS	41.	0.8	114.5	441.2
MERLUCCIUS PRODUCTUS	4600.	87.3	12849.2	49496.0
THERAGRA CHALCOGRAMMA	607.	11.5	1695.5	6531.3
LYOPSETTA EXILIS	5.	0.1	14.0	53.8
MICROSTOMUS PACIFICUS	9.	0.2	25.1	96.8
TOTAL	5267.	100.0	14712.3	56672.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	64.	6.0	178.8	688.6
LEUROGLOSSUS STILBIUS	97.	9.1	270.9	1043.7
GADUS MACROCEPHALUS	9.	0.8	25.1	96.8
MERLUCCIUS PRODUCTUS	639.	59.7	1784.9	6875.6
THERAGRA CHALCOGRAMMA	221.	20.6	617.3	2378.0
RONQUILUS JORDANI	9.	0.8	25.1	96.8
SCORPAENIDAE(FAMILY)	18.	1.7	50.3	193.7
MICROSTOMUS PACIFICUS	5.	0.5	14.0	53.8
PSETTICHTHYS MELANOSTICTUS	9.	0.8	25.1	96.8
TOTAL	1071.	100.0	2991.6	11524.0

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	2.8	10.8
TOTAL	1.	100.0	2.8	10.8

TABLE: 24
CRUISE: SG 81- 5
SAMPLE NO.: 24
DATE: 1/ 4/81
VESSEL: CALIGUS
POSITION: 49 18.8 N 123 45.0 W
GRID POSITION: 69 . 29
BOTTOM DEPTH: 328 M

WIND DIRECTION:
WIND VELOCITY:
WAVE HEIGHT:
SWELL HEIGHT:
SURFACE TEMP: 10.1 C
STD NUMBER:
BT/XBT NUMBER: 11
TIME OF TOW: 1445 HR
DEPTH OF TOW: 313 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 295 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 10.62

EGGS

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	42.	0.7	142.4	446.0
MERLUCCIUS PRODUCTUS	4836.	75.2	16393.2	51358.3
THERAGRA CHALCOGRAMMA	1551.	24.1	5257.6	16471.6
MICROSTOMUS PACIFICUS	5.	0.1	16.9	53.1
TOTAL	6434.	100.0	21810.2	68329.1

LARVAE

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	85.	8.0	288.1	902.7
MERLUCCIUS PRODUCTUS	808.	76.1	2739.0	8581.0
THERAGRA CHALCOGRAMMA	169.	15.9	572.9	1794.8
TOTAL	1062.	100.0	3600.0	11278.4

JUVENILES

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.4	10.6
TOTAL	1.	100.0	3.4	10.6

TABLE:	25	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	25	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.0 C	VOL. FILTERED:	198 M3
POSITION:	49 19.4 N 123 40.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	67 . 27	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	185 M	TIME OF TOW:	1530 HR	ALIQUOT:	
		DEPTH OF TOW:	180 M	S.H.F.:	9.08

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.1	5.1	9.1
LEUROGLOSSUS STILBIUS	8.	0.5	40.4	72.6
MERLUCCIUS PRODUCTUS	685.	44.7	3459.6	6219.8
THERAGRA CHALCOGRAMMA	831.	54.2	4197.0	7545.5
GLYPTOCEPHALUS ZACHIRUS	2.	0.1	10.1	18.2
LYOPSETTA EXILIS	5.	0.3	25.3	45.4
TOTAL	1532.	100.0	7737.4	13910.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	125.	31.1	631.3	1135.0
LEUROGLOSSUS STILBIUS	29.	7.2	146.5	263.3
GADUS MACROCEPHALUS	1.	0.2	5.1	9.1
MERLUCCIUS PRODUCTUS	93.	23.1	469.7	844.4
THERAGRA CHALCOGRAMMA	145.	36.1	732.3	1316.6
SCORPAENIDAE(FAMILY)	8.	2.0	40.4	72.6
HEXAGRAMMIDAE(FAMILY)	1.	0.2	5.1	9.1
TOTAL	402.	100.0	2030.3	3650.2

TABLE:	26	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	26	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.3 C	VOL. FILTERED:	178 M3
POSITION:	49 21.3 N 123 42.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	69 . 26	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	185 M	TIME OF TOW:	1600 HR	ALIQUOT:	
		DEPTH OF TOW:	162 M	S.H.F.:	9.10

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	12.	0.8	67.4	109.2
MERLUCCIUS PRODUCTUS	737.	51.8	4140.4	6706.7
THERAGRA CHALCOGRAMMA	668.	47.0	3752.8	6078.8
LYOPSETTA EXILIS	5.	0.4	28.1	45.5
TOTAL	1422.	100.0	7988.8	12940.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	92.	18.1	516.9	837.2
LEUROGLOSSUS STILBIUS	30.	5.9	168.5	273.0
MERLUCCIUS PRODUCTUS	116.	22.9	651.7	1055.6
THERAGRA CHALCOGRAMMA	257.	50.7	1443.8	2338.7
SCORPAENIDAE(FAMILY)	9.	1.8	50.6	81.9
NECTOLIPARIS PELAGICUS	1.	0.2	5.6	9.1
INOPSETTA ISCHYRA	2.	0.4	11.2	18.2
TOTAL	507.	100.0	2848.3	4613.7

TABLE:	27	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	27	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.9 C	VOL. FILTERED:	198 M3
POSITION:	49 22.2 N 123 47.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	72 . 27	BT/XBT NUMBER:	12	PLANKTON CONC.:	
BOTTOM DEPTH:	209 M	TIME OF TOW:	1650 HR	ALIQUOT:	
		DEPTH OF TOW:	184 M	S.H.F.:	9.31

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	42.	0.9	212.1	391.0
MERLUCCIUS PRODUCTUS	2986.	61.8	15080.8	27799.7
THERAGRA CHALCOGRAMMA	1802.	37.3	9101.0	16776.6
MICROSTOMUS PACIFICUS	4.	0.1	20.2	37.2
TOTAL	4834.	100.0	24414.1	45004.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	71.	8.1	358.6	661.0
LEUROGLOSSUS STILBIUS	67.	7.6	338.4	623.8
MERLUCCIUS PRODUCTUS	256.	29.1	1292.9	2383.4
THERAGRA CHALCOGRAMMA	479.	54.4	2419.2	4459.5
SCORPAENIDAE(FAMILY)	8.	0.9	40.4	74.5
TOTAL	881.	100.0	4449.5	8202.1

TABLE:	28	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	28	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.8 C	VOL. FILTERED:	152 M3
POSITION:	49 25.2 N 123 45.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	73 . 24	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	166 M	TIME OF TOW:	1730 HR	ALIQUOT:	
		DEPTH OF TOW:	150 M	S.H.F.:	9.87

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.2	6.6	9.9
LEUROGLOSSUS STILBIUS	3.	0.6	19.7	29.6
MERLUCCIUS PRODUCTUS	289.	62.0	1901.3	2852.4
THERAGRA CHALCOGRAMMA	170.	36.5	1118.4	1677.9
LYOPSETTA EXILIS	3.	0.6	19.7	29.6
TOTAL	466.	100.0	3065.8	4599.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	8.	4.4	52.6	79.0
LEUROGLOSSUS STILBIUS	25.	13.9	164.5	246.8
MERLUCCIUS PRODUCTUS	45.	25.0	296.1	444.1
THERAGRA CHALCOGRAMMA	93.	51.7	611.8	917.9
RONQUILUS JORDANI	1.	0.6	6.6	9.9
SCORPAENIDAE(FAMILY)	4.	2.2	26.3	39.5
INOPSETTA ISCHYRA	2.	1.1	13.2	19.7
PSETTICHTHYS MELANOSTICTUS	2.	1.1	13.2	19.7
TOTAL	180.	100.0	1184.2	1776.6

TABLE:	29		
CRUISE:	SG 81- 5	WIND DIRECTION:	
SAMPLE NO.:	29	WIND VELOCITY:	
DATE:	1/ 4/81	WAVE HEIGHT:	
VESSEL:	CALIGUS	SWELL HEIGHT:	
POSITION:	49 23.2 N 123 38.6 W	SURFACE TEMP:	9.0 C
GRID POSITION:	68 . 23	STD NUMBER:	
BOTTOM DEPTH:	173 M	BT/XBT NUMBER:	13
		TIME OF TOW:	1815 HR
		DEPTH OF TOW:	160 M

TOW SPEED:	1 MPS
TYPE OF TOW:	OBLIQUE
GEAR TYPE:	BONGO .25 M2
MESH SIZE:	.351 MM
VOL. FILTERED:	160 M3
DISP. VOLUME:	
PLANKTON CONC.:	
ALIQUOT:	
S.H.F.:	10.00

EGGS

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.1	6.3	10.0
LEUROGLOSSUS STILBIUS	16.	1.6	100.0	160.0
MERLUCCIUS PRODUCTUS	458.	46.7	2862.5	4580.0
THERAGRA CHALCOGRAMMA	498.	50.8	3112.5	4980.0
LYOPSETTA EXILIS	7.	0.7	43.8	70.0
TOTAL	980.	100.0	6125.0	9800.0

LARVAE

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	49.	9.6	306.3	490.0
LEUROGLOSSUS STILBIUS	21.	4.1	131.3	210.0
MERLUCCIUS PRODUCTUS	72.	14.0	450.0	720.0
MICROGADUS PROXIMUS	2.	0.4	12.5	20.0
THERAGRA CHALCOGRAMMA	346.	67.4	2162.5	3460.0
SCORPAENIDAE(FAMILY)	8.	1.6	50.0	80.0
INOPSETTA ISCHYRA	13.	2.5	81.3	130.0
PSETTICHTHYS MELANOSTICTUS	2.	0.4	12.5	20.0
TOTAL	513.	100.0	3206.3	5130.0

TABLE:	30	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	30	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.5 C	VOL. FILTERED:	183 M3
POSITION:	49 20.7 N 123 30.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	62 . 22	BT/XBT NUMBER:	14	PLANKTON CONC.:	
BOTTOM DEPTH:	196 M	TIME OF TOW:	0620 HR	ALIQUOT:	
		DEPTH OF TOW:	195 M	S.H.F.:	10.66

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.1	5.5	10.7
LEUROGLOSSUS STILBIUS	24.	1.4	131.1	255.8
MERLUCCIUS PRODUCTUS	894.	51.6	4885.2	9530.0
THERAGRA CHALCOGRAMMA	807.	46.6	4409.8	8602.6
LYOPSETTA EXILIS	5.	0.3	27.3	53.3
MICROSTOMUS PACIFICUS	2.	0.1	10.9	21.3
TOTAL	1733.	100.0	9469.9	18473.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	16.	4.7	87.4	170.6
LEUROGLOSSUS STILBIUS	11.	3.2	60.1	117.3
MERLUCCIUS PRODUCTUS	120.	35.4	655.7	1279.2
THERAGRA CHALCOGRAMMA	177.	52.2	967.2	1886.8
AMMODYTES HEXAPTERUS	2.	0.6	10.9	21.3
SCORPAENIDAE(FAMILY)	4.	1.2	21.9	42.6
CYCLOPTERIDAE(FAMILY)	1.	0.3	5.5	10.7
INOPSETTA ISCHYRA	5.	1 5	27.3	53.3
PSETTICHTHYS MELANOSTICTUS	3.	0.9	16.4	32.0
TOTAL	339.	100.0	1852.5	3613.7

TABLE: 31
CRUISE: SG 81- 5
SAMPLE NO.: 31
DATE: 2/ 4/81
VESSEL: CALIGUS
POSITION: 49 18.2 N 123 27.2 W
GRID POSITION: 59 . 23
BOTTOM DEPTH: 141 M

WIND DIRECTION:
WIND VELOCITY:
WAVE HEIGHT:
SWELL HEIGHT:
SURFACE TEMP:
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 0710 HR
DEPTH OF TOW: 129 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 138 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 9.35

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.1	7.2	9.4
LEUROGLOSSUS STILBIUS	7.	0.6	50.7	65.5
MERLUCCIUS PRODUCTUS	89.	8.0	644.9	832.2
THERAGRA CHALCOGRAMMA	1010.	90.8	7318.8	9443.5
LYOPSETTA EXILIS	5.	0.4	36.2	46.8
TOTAL	1112.	100.0	8058.0	10397.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	13.	2.6	94.2	121.6
LEUROGLOSSUS STILBIUS	28.	5.6	202.9	261.8
GADUS MACROCEPHALUS	2.	0.4	14.5	18.7
MERLUCCIUS PRODUCTUS	87.	17.3	630.4	813.5
THERAGRA CHALCOGRAMMA	359.	71.4	2601.4	3356.7
BATHYMASTERIDAE(FAMILY)	2.	0.4	14.5	18.7
SCORPAENIDAE(FAMILY)	10.	2.0	72.5	93.5
INOPSETTA ISCHYRA	1.	0.2	7.2	9.4
PSETTICHTHYS MELANOSTICTUS	1.	0.2	7.2	9.4
TOTAL	503.	100.0	3644.9	4703.1

TABLE:	32	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	32	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.5 C	VOL. FILTERED:	187 M3
POSITION:	49 17.7 N 123 31.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	61 . 25	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	185 M	TIME OF TOW:	0755 HR	ALIQUOT:	
		DEPTH OF TOW:	170 M	S.H.F.:	9.12

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	3.	0.1	16.0	27.4
LEUROGLOSSUS STILBIUS	27.	0.8	144.4	246.2
MERLUCCIUS PRODUCTUS	1263.	39.7	6754.0	11518.6
THERAGRA CHALCOGRAMMA	1890.	59.4	10107.0	17236.8
TOTAL	3183.	100.0	17021.4	29029.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	0.2	10.7	18.2
CLUPEA HARENGUS	54.	5.5	288.8	492.5
LEUROGLOSSUS STILBIUS	36.	3.7	192.5	328.3
MERLUCCIUS PRODUCTUS	312.	31.9	1668.4	2845.4
THERAGRA CHALCOGRAMMA	561.	57 4	3000.0	5116.3
SCORPAENIDAE(FAMILY)	9.	0.9	48.1	82.1
MICROSTOMUS PACIFICUS	3.	0.3	16.0	27.4
TOTAL	977.	100.0	5224.6	8910.2

TABLE:	33	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	33	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	183 M3
POSITION:	49 19.4 N 123 35.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	64 . 25	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	185 M	TIME OF TOW:	0840 HR	ALIQUOT:	
		DEPTH OF TOW:	164 M	S.H.F.:	8.97

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.1	5.5	9.0
LEUROGLOSSUS STILBIUS	26.	1.7	142.1	233.2
MERLUCCIUS PRODUCTUS	470.	30.9	2568.3	4215.9
THERAGRA CHALCOGRAMMA	1014.	66.8	5541.0	9095.6
LYOPSETTA EXILIS	7.	0.5	38.3	62.8
MICROSTOMUS PACIFICUS	1.	0.1	5.5	9.0
TOTAL	1519.	100.0	8300.5	13625.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	6.	0.9	32.8	53.8
LEUROGLOSSUS STILBIUS	26.	3.9	142.1	233.2
MERLUCCIUS PRODUCTUS	159.	23.7	868.9	1426.2
THERAGRA CHALCOGRAMMA	465.	69.2	2541.0	4171.1
SCORPAENIDAE(FAMILY)	14.	2.1	76.5	125.6
INOPSETTA ISCHYRA	1.	0.1	5.5	9.0
PSETTICHTHYS MELANOSTICTUS	1.	0.1	5.5	9.0
TOTAL	672.	100.0	3672.1	6027.8

TABLE:	34	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	34	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	263 M3
POSITION:	49 16.3 N 123 36.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	63 . 28	BT/XBT NUMBER:	15	PLANKTON CONC.:	
BOTTOM DEPTH:	272 M	TIME OF TOW:	0915 HR	ALIQUOT:	
		DEPTH OF TOW:	257 M	S.H.F.:	9.78

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	22.	0.4	83.7	215.2
MERLUCCIUS PRODUCTUS	3832.	76.7	14570.3	37477.0
THERAGRA CHALCOGRAMMA	1140.	22.8	4334.6	11149.2
MICROSTOMUS PACIFICUS	4.	0.1	15.2	39.1
TOTAL	4998.	100.0	19003.8	48880.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	97.	7.0	368.8	948.7
LEUROGLOSSUS STILBIUS	44.	3.2	167.3	430.3
MERLUCCIUS PRODUCTUS	937.	67.8	3562.7	9163.9
THERAGRA CHALCOGRAMMA	304.	22.0	1155.9	2973.1
TOTAL	1382.	100.0	5254.8	13516.0

TABLE:	35	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	35	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.7 C	VOL. FILTERED:	349 M3
POSITION:	49 15.8 N 123 40.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	65 . 30	BT/XBT NUMBER:	16	PLANKTON CONC.:	
BOTTOM DEPTH:	373 M	TIME OF TOW:	1005 HR	ALIQUOT:	
		DEPTH OF TOW:	347 M	S.H.F.:	9.94

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	73.	0.8	209.2	725.6
MERLUCCIUS PRODUCTUS	6380.	73.7	18280.8	63417.2
THERAGRA CHALCOGRAMMA	2205.	25.5	6318.1	21917.7
TOTAL	8658.	100.0	24808.0	86060.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	139.	10.3	398.3	1381.7
LEUROGLOSSUS STILBIUS	58.	4.3	166.2	576.5
MERLUCCIUS PRODUCTUS	818.	60.6	2343.8	8130.9
THERAGRA CHALCOGRAMMA	299.	22.1	856.7	2972.1
RONQUILUS JORDANI	7.	0.5	20.1	69.6
SCORPAENIDAE(FAMILY)	29.	2.1	83.1	288.3
TOTAL	1350.	100.0	3868.2	13419.0

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	100.0	5.7	19.9
TOTAL	2.	100.0	5.7	19.9

TABLE:	36	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	36	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	363 M3
POSITION:	49 13.3 N 123 37.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	62 . 31	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	372 M	TIME OF TOW:	1100 HR	ALIQUOT:	
		DEPTH OF TOW:	357 M	S.H.F.:	9.82

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	51.	0.9	140.5	500.8
MERLUCCIUS PRODUCTUS	4714.	79.3	12986.2	46291.5
THERAGRA CHALCOGRAMMA	1180.	19.8	3250.7	11587.6
MICROSTOMUS PACIFICUS	1.	0.0	2.8	9.8
TOTAL	5946.	100.0	16380.2	58389.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES				
CLUPEA HARENGUS	6.	0.4	16.5	58.9
LEUROGLOSSUS STILBIUS	182.	11.4	501.4	1787.2
MERLUCCIUS PRODUCTUS	57.	3.6	157.0	559.7
THERAGRA CHALCOGRAMMA	1049.	66.0	2889.8	10301.2
SCORPAENIDAE(FAMILY)	285.	17.9	785.1	2798.7
	11.	0.7	30.3	108.0
TOTAL	1590.	100.0	4380.2	15613.8

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	2.8	9.8
TOTAL	1.	100.0	2.8	9.8

TABLE:	37	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	37	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.0 C	VOL. FILTERED:	164 M3
POSITION:	49 10.0 N 123 41.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	62 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	166 M	TIME OF TOW:	1220 HR	ALIQUOT:	
		DEPTH OF TOW:	155 M	S.H.F.:	9.43

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	0.6	12.2	18.9
LEUROGLOSSUS STILBIUS	11.	3.1	67.1	103.7
MERLUCCIUS PRODUCTUS	138.	38.8	841.5	1301.3
THERAGRA CHALCOGRAMMA	205.	57.6	1250.0	1933.2
TOTAL	356.	100.0	2170.7	3357.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	1857.	89.2	11323.2	17511.5
LEUROGLOSSUS STILBIUS	18.	0.9	109.8	169.7
GADUS MACROCEPHALUS	1.	0.0	6.1	9.4
MERLUCCIUS PRODUCTUS	38.	1.8	231.7	358.3
MICROGADUS PROXIMUS	7.	0.3	42.7	66.0
THERAGRA CHALCOGRAMMA	121.	5.8	737.8	1141.0
SCORPAENIDAE(FAMILY)	31.	1.5	189.0	292.3
INOPSETTA ISCHYRA	1.	0.0	6.1	9.4
PLATICHTHYS STELLATUS	1.	0.0	6.1	9.4
PSETTICHTHYS MELANOSTICTUS	6.	0.3	36.6	56.6
TOTAL	2081.	100.0	12689.0	19623.8

TABLE: 38
CRUISE: SG 81- 5
SAMPLE NO.: 38
DATE: 2/ 4/81
VESSEL: CALIGUS
POSITION: 49 7.7 N 123 36.2 W
GRID POSITION: 58 . 35
BOTTOM DEPTH: 155 M

WIND DIRECTION: 225 DEG
WIND VELOCITY: 4 MPS
WAVE HEIGHT:
SWELL HEIGHT: 1 M
SURFACE TEMP: 9.1 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 1330 HR
DEPTH OF TOW: 144 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 153 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 9.40

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	0.6	13.1	18.8
MERLUCCIUS PRODUCTUS	217.	60.3	1418.3	2039.8
THERAGRA CHALCOGRAMMA	137.	38.1	895.4	1287.8
LYOPSETTA EXILIS	4.	1.1	26.1	37.6
TOTAL	360.	100.0	2352.9	3384.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	25.	7.2	163.4	235.0
LEUROGLOSSUS STILBIUS	33.	9.5	215.7	310.2
GADUS MACROCEPHALUS	2.	0.6	13.1	18.8
MERLUCCIUS PRODUCTUS	162.	46.4	1058.8	1522.8
THERAGRA CHALCOGRAMMA	104.	29.8	679.7	977.6
SCORPAENIDAE(FAMILY)	13.	3.7	85.0	122.2
INOPSETTA ISCHYRA	3.	0.9	19.6	28.2
PSETTICHTHYS MELANOSTICTUS	7.	2.0	45.8	65.8
TOTAL	349.	100.0	2281.0	3280.6

TABLE:	39	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	39	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.0 C	VOL. FILTERED:	311 M3
POSITION:	49 11.6 N 123 34.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	59 . 31	BT/XBT NUMBER:	17	PLANKTON CONC.:	
BOTTOM DEPTH:	349 M	TIME OF TOW:	1420 HR	ALIQUOT:	
		DEPTH OF TOW:	321 M	S.H.F.:	10.33

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	29.	1.2	93.2	299.6
LEUROGLOSSUS STILBIUS	29.	1.2	93.2	299.6
MERLUCCIUS PRODUCTUS	705.	29.6	2266.9	7282.6
THERAGRA CHALCOGRAMMA	1622.	68.0	5215.4	16755.3
TOTAL	2385.	100.0	7668.8	24637.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	94.	6.5	302.3	971.0
LEUROGLOSSUS STILBIUS	94.	6.5	302.3	971.0
MERLUCCIUS PRODUCTUS	939.	65.2	3019.3	9699.9
MICROGADUS PROXIMUS	3.	0.2	9.6	31.0
THERAGRA CHALCOGRAMMA	299.	20.8	961.4	3088.7
SCORPAENIDAE(FAMILY)	5.	0.3	16.1	51.7
INOPSETTA ISCHYRA	3.	0.2	9.6	31.0
PSETTICHTHYS MELANOSTICTUS	3.	0.2	9.6	31.0
TOTAL	1440.	100.0	4630.2	14875.2

TABLE:	40	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	40	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.1 C	VOL. FILTERED:	301 M3
POSITION:	49 14.2 N 123 33.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	60 . 28	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	351 M	TIME OF TOW:	1515 HR	ALIQUOT:	
		DEPTH OF TOW:	348 M	S.H.F.:	11.55

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	122.	2.3	405.3	1409.1
MERLUCCIUS PRODUCTUS	4141.	77.4	13757.5	47828.6
THERAGRA CHALCOGRAMMA	1090.	20.4	3621.3	12589.5
TOTAL	5353.	100.0	17784.1	61827.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	71.	4.6	235.9	820.0
LEUROGLOSSUS STILBIUS	61.	4.0	202.7	704.5
MERLUCCIUS PRODUCTUS	1067.	69.2	3544.9	12323.9
THERAGRA CHALCOGRAMMA	320.	20.7	1063.1	3696.0
SCORPAENIDAE(FAMILY)	19.	1.2	63.1	219.4
MICROSTOMUS PACIFICUS	5.	0.3	16.6	57.8
TOTAL	1543.	100.0	5126.2	17821.7

TABLE:	41	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	41	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.2 C	VOL. FILTERED:	236 M3
POSITION:	49 14.6 N 123 27.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	57 . 26	BT/XBT NUMBER:	18	PLANKTON CONC.:	
BOTTOM DEPTH:	270 M	TIME OF TOW:	1610 HR	ALIQUOT:	
		DEPTH OF TOW:	258 M	S.H.F.:	10.93

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	41.	0.8	173.7	448.1
MERLUCCIUS PRODUCTUS	3756.	75.8	15915.3	41053.1
THERAGRA CHALCOGRAMMA	1156.	23.3	4898.3	12635.1
HIPPOGLOSSOIDES ELASSODON	1.	0.0	4.2	10.9
MICROSTOMUS PACIFICUS	4.	0.1	16.9	43.7
TOTAL	4958.	100.0	21008.5	54190.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	4.	0.3	16.9	43.7
LEUROGLOSSUS STILBIUS	45.	3.8	190.7	491.9
MERLUCCIUS PRODUCTUS	759.	63.6	3216.1	8295.9
THERAGRA CHALCOGRAMMA	381.	31.9	1614.4	4164.3
SCORPAENIDAE(FAMILY)	4.	0.3	16.9	43.7
TOTAL	1193.	100.0	5055.1	13039.5

TABLE:	42	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	42	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:		VOL. FILTERED:	228 M3
POSITION:	49 16.5 N 123 23.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	56 . 23	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	228 M	TIME OF TOW:	1700 HR	ALIQUOT:	
		DEPTH OF TOW:	222 M	S.H.F.:	9.74

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	9.	0.2	39.5	87.7
LEUROGLOSSUS STILBIUS	22.	0.4	96.5	214.3
MERLUCCIUS PRODUCTUS	4030.	75.7	17675.4	39252.2
MICROGADUS PROXIMUS	9.	0.2	39.5	87.7
THERAGRA CHALCOGRAMMA	1254.	23.6	5500.0	12214.0
TOTAL	5324.	100.0	23350.9	51855.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	40.	3.7	175.4	389.6
LEUROGLOSSUS STILBIUS	66.	6.1	289.5	642.8
MERLUCCIUS PRODUCTUS	466.	43.1	2043.9	4538.8
THERAGRA CHALCOGRAMMA	506.	46.8	2219.3	4928.4
INOPSETTA ISCHYRA	4.	0.4	17.5	39.0
TOTAL	1082.	100.0	4745.6	10538.7

TABLE:	43
CRUISE:	SG 81- 5
SAMPLE NO.:	43
DATE:	2/ 4/81
VESSEL:	CALIGUS
POSITION:	49 19.0 N 123 20.8 W
GRID POSITION:	56 . 20
BOTTOM DEPTH:	[illegible]03 M

WIND DIRECTION:	180 DEG
WIND VELOCITY:	5 MPS
WAVE HEIGHT:	
SWELL HEIGHT:	1 M
SURFACE TEMP:	8.8 C
STD NUMBER:	
BT/XBT NUMBER:	19
TIME OF TOW:	1745 HR
DEPTH OF TOW:	186 M

TOW SPEED:	1 MPS
TYPE OF TOW:	OBLIQUE
GEAR TYPE:	BONGO .25 M2
MESH SIZE:	.351 MM
VOL. FILTERED:	202 M3
DISP. VOLUME:	
PLANKTON CONC.:	
ALIQUOT:	
S.H.F.:	9.20

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	6.	0.2	29.7	55.2
LEUROGLOSSUS STILBIUS	20.	0.7	99.0	184.0
MERLUCCIUS PRODUCTUS	1469.	48.0	7272.3	13514.8
MICROGADUS PROXIMUS	49.	1.6	242.6	450.8
THERAGRA CHALCOGRAMMA	1496.	48.9	7405.9	13763.2
LYOPSETTA EXILIS	15.	0.5	74.3	138.0
REINHARDTIUS HIPPOGLOSSOIDES	5.	0.2	24.8	46.0
TOTAL	3060.	100.0	15148.5	28152.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	3.	0.4	14.9	27.6
LEUROGLOSSUS STILBIUS	22.	3.3	108.9	202.4
MERLUCCIUS PRODUCTUS	230.	34.4	1138.6	2116.0
THERAGRA CHALCOGRAMMA	396.	59.2	1960.4	3643.2
SCORPAENIDAE(FAMILY)	5.	0.7	24.8	46.0
INOPSETTA ISCHYRA	13.	1.9	64.4	119.6
TOTAL	669.	100.0	3311.9	6154.8

TABLE:	44	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	44	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	4/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.5 C	VOL. FILTERED:	184 M3
POSITION:	49 14.9 N 123 19.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	53 . 23	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	195 M	TIME OF TOW:	0710 HR	ALIQUOT:	
		DEPTH OF TOW:	180 M	S.H.F.:	9.77

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	6.	0.7	32.6	58.6
MERLUCCIUS PRODUCTUS	36.	4.2	195.7	351.7
MICROGADUS PROXIMUS	8.	0.9	43.5	78.2
THERAGRA CHALCOGRAMMA	791.	92.8	4298.9	7728.1
LYOPSETTA EXILIS	10.	1.2	54.3	97.7
MICROSTOMUS PACIFICUS	1.	0.1	5.4	9.8
TOTAL	852.	100.0	4630.4	8324.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	105.	13.7	570.7	1025.9
LEUROGLOSSUS STILBIUS	29.	3.8	157.6	283.3
MERLUCCIUS PRODUCTUS	144.	18.8	782.6	1406.9
MICROGADUS PROXIMUS	2.	0.3	10.9	19.5
THERAGRA CHALCOGRAMMA	476.	62.1	2587.0	4650.5
SCORPAENIDAE(FAMILY)	10.	1.3	54.3	97.7
INOPSETTA ISCHYRA	1.	0.1	5.4	9.3
TOTAL	767.	100.0	4168.5	7493.6

TABLE:	45	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	45	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	4/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.9 C	VOL. FILTERED:	250 M3
POSITION:	49 12.9 N 123 23.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	54 . 26	BT/XBT NUMBER:	20	PLANKTON CONC.:	
BOTTOM DEPTH:	280 M	TIME OF TOW:	0745 HR	ALIQUOT:	
		DEPTH OF TOW:	265 M	S.H.F.:	10.59

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	86.	3.0	344.0	910.7
LEUROGLOSSUS STILBIUS	10.	0.3	40.0	105.9
MERLUCCIUS PRODUCTUS	1019.	35.3	4076.0	10791.2
MICROGADUS PROXIMUS	31.	1.1	124.0	328.3
THERAGRA CHALCOGRAMMA	1739.	60.3	6956.0	18416.0
TOTAL	2885.	100.0	11540.0	30552.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	23.	2.7	92.0	243.6
LEUROGLOSSUS STILBIUS	29.	3.4	116.0	307.1
MERLUCCIUS PRODUCTUS	177.	20.6	708.0	1874.4
THERAGRA CHALCOGRAMMA	624.	72.5	2496.0	6608.2
SCORPAENIDAE(FAMILY)	8.	0.9	32.0	84.7
TOTAL	861.	100.0	3444.0	9118.0

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	50.0	4.0	10.6
HEXAGRAMMIDAE(FAMILY)	1.	50.0	4.0	10.6
TOTAL	2.	100.0	8.0	21.2

TABLE:	46	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	46	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	4/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.8 C	VOL. FILTERED:	184 M3
POSITION:	49 11.3 N 123 19.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	51 . 26	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	159 M	TIME OF TOW:	0830 HR	ALIQUOT:	
		DEPTH OF TOW:	154 M	S.H.F.:	8.37

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	3.	0.4	16.3	25.1
LEUROGLOSSUS STILBIUS	3.	0.4	16.3	25.1
MERLUCCIUS PRODUCTUS	33.	4.5	179.3	276.2
THERAGRA CHALCOGRAMMA	687.	93.5	3733.7	5750.2
LYOPSETTA EXILIS	8.	1.1	43.5	67.0
MICROSTOMUS PACIFICUS	1.	0.1	5.4	8.4
TOTAL	735.	100.0	3994.6	6152.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	45.	6.4	244.6	376.6
LEUROGLOSSUS STILBIUS	36.	5.1	195.7	301.3
MERLUCCIUS PRODUCTUS	135.	19.1	733.7	1129.9
THERAGRA CHALCOGRAMMA	481.	68.0	2614.1	4026.0
SCORPAENIDAE(FAMILY)	9.	1.3	48.9	75.3
INOPSETTA ISCHYRA	1.	0.1	5.4	8.4
TOTAL	707.	100.0	3842.4	5917.6

TABLE:	47	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	47	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	4/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.0 C	VOL. FILTERED:	143 M3
POSITION:	49 7.7 N 123 19.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	49 . 29	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	139 M	TIME OF TOW:	0930 HR	ALIQUOT:	
		DEPTH OF TOW:	139 M	S.H.F.:	9.71

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.2	7.0	9.7
MERLUCCIUS PRODUCTUS	9.	1.7	62.9	87.4
THERAGRA CHALCOGRAMMA	526.	98.1	3678.3	5107.5
TOTAL	536.	100.0	3748.3	5204.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	15.	13.3	104.9	145.6
LEUROGLOSSUS STILBIUS	29.	25.7	202.8	281.6
MERLUCCIUS PRODUCTUS	9.	8.0	62.9	87.4
THERAGRA CHALCOGRAMMA	57.	50.4	398.6	553.5
SCORPAENIDAE(FAMILY)	3.	2.7	21.0	29.1
TOTAL	113.	100.0	790.2	1097.2

TABLE:	48	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	48	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	4/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.4 C	VOL. FILTERED:	235 M3
POSITION:	49 6.3 N 123 24.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	51 . 32	BT/XBT NUMBER:	21	PLANKTON CONC.:	
BOTTOM DEPTH:	253 M	TIME OF TOW:	1015 HR	ALIQUOT:	
		DEPTH OF TOW:	238 M	S.H.F.:	10.15

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	3.	0.1	12.8	30.4
LEUROGLOSSUS STILBIUS	5.	0.2	21.3	50.8
MERLUCCIUS PRODUCTUS	1512.	47.2	6434.0	15346.8
THERAGRA CHALCOGRAMMA	1685.	52.6	7170.2	17102.8
TOTAL	3205.	100.0	13638.3	32530.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	5.	1.0	21.3	50.8
LEUROGLOSSUS STILBIUS	50.	10.2	212.8	507.5
MERLUCCIUS PRODUCTUS	138.	28.2	587.2	1400.7
THERAGRA CHALCOGRAMMA	293.	59.9	1246.8	2973.9
SCORPAENIDAE(FAMILY)	3.	0.6	12.8	30.4
TOTAL	489.	100.0	2080.9	4963.4

TABLE:	49	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	49	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	4/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.1 C	VOL. FILTERED:	213 M3
POSITION:	49 9.9 N 123 24.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	53 . 29	BT/XBT NUMBER:	22	PLANKTON CONC.:	
BOTTOM DEPTH:	230 M	TIME OF TOW:	1115 HR	ALIQUOT:	
		DEPTH OF TOW:	218 M	S.H.F.:	10.24

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	7.	0.2	32.9	71.7
MERLUCCIUS PRODUCTUS	2639.	62.5	12389.7	27023.4
MICROGADUS PROXIMUS	4.	0.1	18.8	41.0
THERAGRA CHALCOGRAMMA	1575.	37.3	7394.4	16128.0
TOTAL	4225.	100.0	19835.7	43264.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	7.	1.1	32.9	71.7
LEUROGLOSSUS STILBIUS	81.	12.5	380.3	829.4
MERLUCCIUS PRODUCTUS	179.	27.7	840.4	1833.0
THERAGRA CHALCOGRAMMA	361.	55.9	1694.8	3696.6
SCORPAENIDAE(FAMILY)	18.	2.8	84.5	184.3
TOTAL	646.	100.0	3032.9	6615.0

TABLE:	50	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	50	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	4/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.4 C	VOL. FILTERED:	285 M3
POSITION:	49 11.6 N 123 28.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	56 . 29	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	325 M	TIME OF TOW:	1205 HR	ALIQUOT:	
		DEPTH OF TOW:	298 M	S.H.F.:	10.46

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	76.	1.9	266.7	795.0
MERLUCCIUS PRODUCTUS	2678.	67.7	9396.5	28011.9
THERAGRA CHALCOGRAMMA	1192.	30.2	4182.5	12468.3
LYOPSETTA EXILIS	7.	0.2	24.6	73.2
TOTAL	3953.	100.0	13870.2	41348.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	14.	0.8	49.1	146.4
LEUROGLOSSUS STILBIUS	68.	4.1	238.6	711.3
MERLUCCIUS PRODUCTUS	1303.	77.7	4571.9	13629.4
THERAGRA CHALCOGRAMMA	281.	16.8	986.0	2939.3
SCORPAENIDAE(FAMILY)	11.	0.7	38.6	115.1
TOTAL	1677.	100.0	5884.2	17541.4

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	100.0	7.0	20.9
TOTAL	2.	100.0	7.0	20.9

TABLE:	51	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	51	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	5/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.4 C	VOL. FILTERED:	208 M3
POSITION:	49 3.8 N 123 21.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	48 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	225 M	TIME OF TOW:	1105 HR	ALIQUOT:	
		DEPTH OF TOW:	209 M	S.H.F.:	10.04

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	0.1	9.6	20.1
LEUROGLOSSUS STILBIUS	2.	0.1	9.6	20.1
MERLUCCIUS PRODUCTUS	445.	17.8	2139.4	4467.8
THERAGRA CHALCOGRAMMA	2056.	82.0	9884.6	20642.2
LYOPSETTA EXILIS	1.	0.0	4.8	10.0
TOTAL	2506.	100.0	12048.1	25160.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	9.	2.2	43.3	90.4
LEUROGLOSSUS STILBIUS	9.	2.2	43.3	90.4
MERLUCCIUS PRODUCTUS	25.	6.0	120.2	251.0
THERAGRA CHALCOGRAMMA	363.	87.7	1745.2	3644.5
AMMODYTES HEXAPTERUS	1.	0.2	4.8	10.0
SCORPAENIDAE(FAMILY)	5.	1.2	24.0	50.2
INOPSETTA ISOLEPIS	2.	0.5	9.6	20.1
TOTAL	414.	100.0	1990.4	4156.6

TABLE:	52	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	10 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	52	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	5/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	270 M3
POSITION:	49 3.3 N 123 26.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	50 . 35	BT/XBT NUMBER:	23	PLANKTON CONC.:	
BOTTOM DEPTH:	313 M	TIME OF TOW:	1208 HR	ALIQUOT:	
		DEPTH OF TOW:	285 M	S.H.F.:	10.54

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	9.	0.2	33.3	94.9
MERLUCCIUS PRODUCTUS	4853.	81.9	17974.1	51150.6
THERAGRA CHALCOGRAMMA	1067.	18.0	3951.9	11246.2
TOTAL	5929.	100.0	21959.3	62491.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	14.	1.6	51.9	147.6
LEUROGLOSSUS STILBIUS	18.	2.0	66.7	189.7
MERLUCCIUS PRODUCTUS	580.	64.3	2148.1	6113.2
THERAGRA CHALCOGRAMMA	276.	30.6	1022.2	2909.0
SCORPAENIDAE(FAMILY)	14.	1.6	51.9	147.6
TOTAL	902.	100.0	3340.7	9507.1

TABLE:	53	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	10 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	53	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	5/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.9 C	VOL. FILTERED:	291 M3
POSITION:	49 4.9 N 123 29.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	53 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	308 M	TIME OF TOW:	1255 HR	ALIQUOT:	
		DEPTH OF TOW:	293 M	S.H.F.:	10.08

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	4.	0.1	13.7	40.3
LEUROGLOSSUS STILBIUS	36.	0.8	123.7	362.9
MERLUCCIUS PRODUCTUS	3376.	75.7	11601.4	34030.1
THERAGRA CHALCOGRAMMA	1044.	23.4	3587.6	10523.5
TOTAL	4460.	100.0	15326.5	44956.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	128.	10.3	439.9	1290.2
LEUROGLOSSUS STILBIUS	44.	3.5	151.2	443.5
MERLUCCIUS PRODUCTUS	776.	62.6	2666.7	7822.1
THERAGRA CHALCOGRAMMA	272.	21.9	934.7	2741.8
SCORPAENIDAE(FAMILY)	12.	1.0	41.2	121.0
INOPSETTA ISCHYRA	4.	0.3	13.7	40.3
LYOPSETTA EXILIS	4.	0.3	13.7	40.3
TOTAL	1240.	100.0	4261.2	12499.2

TABLE:	54	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	13 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	54	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	5/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	298 M3
POSITION:	49 8.5 N 123 29.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	55 . 32	BT/XBT NUMBER:	24	PLANKTON CONC.:	
BOTTOM DEPTH:	335 M	TIME OF TOW:	1350 HR	ALIQUOT:	
		DEPTH OF TOW:	309 M	S.H.F.:	10.37

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	74.	2.0	248.3	767.4
MERLUCCIUS PRODUCTUS	3164.	85.0	10617.4	32810.7
THERAGRA CHALCOGRAMMA	483.	13.0	1620.8	5008.7
TOTAL	3721.	100.0	12486.6	38586.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	231.	17.9	775.2	2395.5
LEUROGLOSSUS STILBIUS	46.	3.6	154.4	477.0
MERLUCCIUS PRODUCTUS	658.	51.0	2208.1	6823.5
MICROGADUS PROXIMUS	11.	0.9	36.9	114.1
THERAGRA CHALCOGRAMMA	329.	25.5	1104.0	3411.7
SCORPAENIDAE(FAMILY)	7.	0.5	23.5	72.6
CYCLOPTERIDAE(FAMILY)	4.	0.3	13.4	41.5
PSETTICHTHYS MELANOSTICTUS	4.	0.3	13.4	41.5
TOTAL	1290.	100.0	4328.9	13377.3

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.4	10.4
TOTAL	1.	100.0	3.4	10.4

TABLE:	55	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	18 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	55	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	5/ 4/81	SWELL HEIGHT:	2 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.4 C	VOL. FILTERED:	201 M3
POSITION:	49 1.9 N 123 31.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	52 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	225 M	TIME OF TOW:	1533 HR	ALIQUOT:	
		DEPTH OF TOW:	211 M	S.H.F.:	10.50

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	5.	0.3	24.9	52.5
MERLUCCIUS PRODUCTUS	1459.	78.7	7258.7	15319.5
THERAGRA CHALCOGRAMMA	387.	20.9	1925.4	4063.5
LYOPSETTA EXILIS	1.	0.1	5.0	10.5
MICROSTOMUS PACIFICUS	1.	0.1	5.0	10.5
TOTAL	1853.	100.0	9218.9	19456.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	82.	14.1	408.0	861.0
LEUROGLOSSUS STILBIUS	26.	4.5	129.4	273.0
MERLUCCIUS PRODUCTUS	271.	46.5	1348.3	2845.5
THERAGRA CHALCOGRAMMA	195.	33.4	970.1	2047.5
SCORPAENIDAE(FAMILY)	9.	1.5	44.8	94.5
TOTAL	583.	100.0	2900.5	6121.5

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
NECTOLIPARIS PELAGICUS	1.	100.0	5.0	10.5
TOTAL	1.	100.0	5.0	10.5

TABLE:	56	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	56	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	5/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	204 M3
POSITION:	49 3.6 N 123 34.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	55 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	196 M	TIME OF TOW:	1620 HR	ALIQUOT:	
		DEPTH OF TOW:	179 M	S.H.F.:	8.79

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	4.	0.2	19.6	35.2
LEUROGLOSSUS STILBIUS	7.	0.4	34.3	61.5
MERLUCCIUS PRODUCTUS	1432.	78.1	7019.6	12587.3
THERAGRA CHALCOGRAMMA	384.	20.9	1882.4	3375.4
LYOPSETTA EXILIS	5.	0.3	24.5	44.0
MICROSTOMUS PACIFICUS	2.	0.1	9.8	17.6
TOTAL	1834.	100.0	8990.2	16120.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	73.	19.3	357.8	641.7
LEUROGLOSSUS STILBIUS	23.	6.1	112.7	202.2
GADUS MACROCEPHALUS	1.	0.3	4.9	8.8
MERLUCCIUS PRODUCTUS	88.	23.3	431.4	773.5
THERAGRA CHALCOGRAMMA	174.	46.0	852.9	1529.5
SCORPAENIDAE(FAMILY)	6.	1.6	29.4	52.7
COTTIDAE(FAMILY)	1.	0.3	4.9	8.8
INOPSETTA ISCHYRA	4.	1.1	19.6	35.2
INOPSETTA ISOLEPIS	2.	0.5	9.8	17.6
LEPIDOPSETTA BILINEATA	1.	0.3	4.9	8.8
MICROSTOMUS PACIFICUS	1.	0.3	4.9	8.8
PSETTICHTHYS MELANOSTICTUS	4.	1.1	19.6	35.2
TOTAL	378.	100.0	1852.9	3322.6

TABLE: 57
CRUISE: SG 81- 5
SAMPLE NO.: 57
DATE: 5/ 4/81
VESSEL: CALIGUS
POSITION: 49 0.2 N 123 27.3 W
GRID POSITION: 49 . 38
BOTTOM DEPTH: 220 M

WIND DIRECTION: 270 DEG
WIND VELOCITY: 13 MPS
WAVE HEIGHT:
SWELL HEIGHT: 1 M
SURFACE TEMP: 8.6 C
STD NUMBER:
BT/XBT NUMBER: 25
TIME OF TOW: 1725 HR
DEPTH OF TOW: 195 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 219 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 8.89

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.1	4.6	8.9
LEUROGLOSSUS STILBIUS	5.	0.6	22.8	44.5
MERLUCCIUS PRODUCTUS	497.	55.2	2269.4	4418.3
THERAGRA CHALCOGRAMMA	395.	43.9	1803.7	3511.6
LYOPSETTA EXILIS	2.	0.2	9.1	17.8
TOTAL	900.	100.0	4109.6	8001.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	21.	4.1	95.9	186.7
LEUROGLOSSUS STILBIUS	23.	4.4	105.0	204.5
MERLUCCIUS PRODUCTUS	209.	40.3	954.3	1858.0
THERAGRA CHALCOGRAMMA	254.	49.0	1159.8	2258.1
AMMODYTES HEXAPTERUS	2.	0.4	9.1	17.8
SCORPAENIDAE(FAMILY)	5.	1.0	22.8	44.5
INOPSETTA ISCHYRA	2.	0.4	9.1	17.8
PSETTICHTHYS MELANOSTICTUS	2.	0.4	9.1	17.8
TOTAL	518.	100.0	2365.3	4605.0

TABLE: 58
CRUISE: SG 81- 5
SAMPLE NO.: 58
DATE: 5/ 4/81
VESSEL: CALIGUS
POSITION: 48 57.7 N 123 24.4 W
GRID POSITION: 46 . 39
BOTTOM DEPTH: 192 M

WIND DIRECTION: 270 DEG
WIND VELOCITY: 8 MPS
WAVE HEIGHT:
SWELL HEIGHT:
SURFACE TEMP: 8.5 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 1812 HR
DEPTH OF TOW: 183 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 191 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 9.57

EGGS

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	3.	0.4	15.7	28.7
LEUROGLOSSUS STILBIUS	1.	0.1	5.2	9.6
MERLUCCIUS PRODUCTUS	434.	55.6	2272.3	4153.4
THERAGRA CHALCOGRAMMA	339.	43.5	1774.9	3244.2
LYOPSETTA EXILIS	1.	0.1	5.2	9.6
MICROSTOMUS PACIFICUS	1.	0.1	5.2	9.6
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.1	5.2	9.6
TOTAL	780.	100.0	4083.8	7464.6

LARVAE

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	41.	11.2	214.7	392.4
LEUROGLOSSUS STILBIUS	10.	2.7	52.4	95.7
GADUS MACROCEPHALUS	2.	0.5	10.5	19.1
MERLUCCIUS PRODUCTUS	100.	27.2	523.6	957.0
THERAGRA CHALCOGRAMMA	202.	55.0	1057.6	1933.1
SCORPAENIDAE(FAMILY)	11.	3.0	57.6	105.3
INOPSETTA ISCHYRA	1.	0.3	5.2	9.6
TOTAL	367.	100.0	1921.5	3512.2

TABLE:	59	WIND DIRECTION:	270 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	59	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	5/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.7 C	VOL. FILTERED:	195 M3
POSITION:	48 55.6 N 123 21.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	43 . 39	BT/XBT NUMBER:	26	PLANKTON CONC.:	
BOTTOM DEPTH:	174 M	TIME OF TOW:	1850 HR	ALIQUOT:	
		DEPTH OF TOW:	165 M	S.H.F.:	8.46

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	0.3	10.3	16.9
LEUROGLOSSUS STILBIUS	6.	0.8	30.8	50.8
MERLUCCIUS PRODUCTUS	520.	67.5	2666.7	4399.2
THERAGRA CHALCOGRAMMA	236.	30.6	1210.3	1996.6
MICROSTOMUS PACIFICUS	6.	0.8	30.8	50.8
TOTAL	770.	100.0	3948.7	6514.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	43.	9.3	220.5	363.8
LEUROGLOSSUS STILBIUS	55.	11.9	282.1	465.3
GADUS MACROCEPHALUS	2.	0.4	10.3	16.9
MERLUCCIUS PRODUCTUS	121.	26.2	620.5	1023.7
THERAGRA CHALCOGRAMMA	213.	46.2	1092.3	1802.0
AMMODYTES HEXAPTERUS	4.	0.9	20.5	33.8
SCORPAENIDAE(FAMILY)	18.	3.9	92.3	152.3
INOPSETTA ISOLEPIS	2.	0.4	10.3	16.9
PSETTICHTHYS MELANOSTICTUS	3.	0.7	15.4	25.4
TOTAL	461.	100.0	2364.1	3900.1

TABLE:	60	WIND DIRECTION:	270 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	60	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 4/81	SWELL HEIGHT:	2 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.5 C	VOL. FILTERED:	184 M3
POSITION:	48 54.4 N 123 16.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	40 . 39	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	180 M	TIME OF TOW:	0545 HR	ALIQUOT:	
		DEPTH OF TOW:	165 M	S.H.F.:	8.92

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.1	5.4	8.9
LEUROGLOSSUS STILBIUS	2.	0.3	10.9	17.8
MERLUCCIUS PRODUCTUS	135.	19.3	733.7	1204.2
THERAGRA CHALCOGRAMMA	560.	79.9	3043.5	4995.2
LYOPSETTA EXILIS	2.	0.3	10.9	17.8
MICROSTOMUS PACIFICUS	1.	0.1	5.4	8.9
TOTAL	701.	100.0	3809.8	6252.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	14.	5.7	76.1	124.9
LEUROGLOSSUS STILBIUS	33.	13.5	179.3	294.4
MERLUCCIUS PRODUCTUS	79.	32.4	429.3	704.7
THERAGRA CHALCOGRAMMA	104.	42.6	565.2	927.7
SCORPAENIDAE(FAMILY)	11.	4.5	59.8	98.1
CYCLOPTERIDAE(FAMILY)	2.	0.8	10.9	17.8
PSETTICHTHYS MELANOSTICTUS	1.	0.4	5.4	8.9
TOTAL	244.	100.0	1326.1	2176.5

TABLE:	61	WIND DIRECTION:	270 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	61	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 4/81	SWELL HEIGHT:	2 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.0 C	VOL. FILTERED:	179 M3
POSITION:	48 57.7 N 123 18.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	43 . 37	BT/XBT NUMBER:	27	PLANKTON CONC.:	
BOTTOM DEPTH:	190 M	TIME OF TOW:	0700 HR	ALIQUOT:	
		DEPTH OF TOW:	180 M	S.H.F.:	10.07

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	0.4	11.2	20.1
LEUROGLOSSUS STILBIUS	1.	0.2	5.6	10.1
MERLUCCIUS PRODUCTUS	75.	13.6	419.0	755.3
THERAGRA CHALCOGRAMMA	469.	85.0	2620.1	4722.8
LYOPSETTA EXILIS	5.	0.9	27.9	50.3
TOTAL	552.	100.0	3083.8	5558.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	20.	9.0	111.7	201.4
LEUROGLOSSUS STILBIUS	14.	6.3	78.2	141.0
MERLUCCIUS PRODUCTUS	85.	38.1	474.9	855.9
MICROGADUS PROXIMUS	1.	0.4	5.6	10.1
THERAGRA CHALCOGRAMMA	85.	38.1	474.9	855.9
AMMODYTES HEXAPTERUS	1.	0.4	5.6	10.1
SCORPAENIDAE(FAMILY)	15.	6.7	83.8	151.1
CYCLOPTERIDAE(FAMILY)	1.	0.4	5.6	10.1
INOPSETTA ISCHYRA	1.	0.4	5.6	10.1
TOTAL	223.	100.0	1245.8	2245.6

TABLE:	62	WIND DIRECTION:	270 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	62	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 4/81	SWELL HEIGHT:	2 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.0 C	VOL. FILTERED:	231 M3
POSITION:	49 0.2 N 123 21.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	46 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	240 M	TIME OF TOW:	0745 HR	ALIQUOT:	
		DEPTH OF TOW:	223 M	S.H.F.:	9.67

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	0.0	4.3	9.7
MERLUCCIUS PRODUCTUS	1398.	50.4	6051.9	13518.7
THERAGRA CHALCOGRAMMA	1370.	49.4	5930.7	13247.9
LYOPSETTA EXILIS	2.	0.1	8.7	19.3
REINHARDTIUS HIPPOGLOSSOIDES	2.	0.1	8.7	19.3
TOTAL	2773.	100.0	12004.3	26814.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	11.	1.8	47.6	106.4
LEUROGLOSSUS STILBIUS	29.	4.7	125.5	280.4
MERLUCCIUS PRODUCTUS	316.	51.5	1368.0	3055.7
THERAGRA CHALCOGRAMMA	250.	40.7	1082.3	2417.5
SCORPAENIDAE(FAMILY)	5.	0.8	21.6	48.4
CYCLOPTERIDAE(FAMILY)	1.	0.2	4.3	9.7
LYOPSETTA EXILIS	2.	0.3	8.7	19.3
TOTAL	614.	100.0	2658.0	5937.4

TABLE:	63	WIND DIRECTION:	270 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	63	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 4/81	SWELL HEIGHT:	2 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.5 C	VOL. FILTERED:	142 M3
POSITION:	49 1.6 N 123 16.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	44 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	136 M	TIME OF TOW:	0835 HR	ALIQUOT:	
		DEPTH OF TOW:	127 M	S.H.F.:	8.95

EGGS

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	0.5	7.0	8.9
MERLUCCIUS PRODUCTUS	2.	0.9	14.1	17.9
THERAGRA CHALCOGRAMMA	215.	97.7	1514.1	1924.3
LYOPSETTA EXILIS	1.	0.5	7.0	8.9
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.5	7.0	8.9
TOTAL	220.	100.0	1549.3	1969.0

LARVAE

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	19.	4.6	133.8	170.1
LEUROGLOSSUS STILBIUS	18.	4.3	126.8	161.1
MERLUCCIUS PRODUCTUS	55.	13.2	387.3	492.3
THERAGRA CHALCOGRAMMA	317.	76.2	2232.4	2837.1
AMMODYTES HEXAPTERUS	4.	1.0	28.2	35.8
SCORPAENIDAE(FAMILY)	3.	0.7	21.1	26.9
TOTAL	416.	100.0	2929.6	3723.2

TABLE:	64	WIND DIRECTION:	270 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	64	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.5 C	VOL. FILTERED:	155 M3
POSITION:	48 58.2 N 123 14.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	41 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	143 M	TIME OF TOW:	0920 HR	ALIQUOT:	
		DEPTH OF TOW:	137 M	S.H.F.:	8.84

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	0.3	6.5	8.8
MERLUCCIUS PRODUCTUS	6.	1.7	38.7	53.0
THERAGRA CHALCOGRAMMA	332.	96.5	2141.9	2934.9
LYOPSETTA EXILIS	4.	1.2	25.8	35.4
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.3	6.5	8.8
TOTAL	344.	100.0	2219.4	3041.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	10.	4.5	64.5	88.4
LEUROGLOSSUS STILBIUS	25.	11.3	161.3	221.0
MERLUCCIUS PRODUCTUS	58.	26.2	374.2	512.7
THERAGRA CHALCOGRAMMA	124.	56.1	800.0	1096.2
SCORPAENIDAE(FAMILY)	2.	0.9	12.9	17.7
INOPSETTA ISCHYRA	1.	0.5	6.5	8.8
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.5	6.5	8.8
TOTAL	221.	100.0	1425.8	1953.6

TABLE:	65	WIND DIRECTION:	270 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	65	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 4/81	SWELL HEIGHT:	2 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.3 C	VOL. FILTERED:	164 M3
POSITION:	48 56.0 N 123 15.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	40 . 37	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	149 M	TIME OF TOW:	0948 HR	ALIQUOT:	
		DEPTH OF TOW:	140 M	S.H.F.:	8.52

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES				
LEUROGLOSSUS STILBIUS	4.	0.4	24.4	34.1
MERLUCCIUS PRODUCTUS	2.	0.2	12.2	17.0
THERAGRA CHALCOGRAMMA	11.	1.2	67.1	93.7
PLEURONECTIDAE(FAMILY)	869.	97.6	5298.8	7403.9
	4.	0.4	24.4	34.1
TOTAL	890.	100.0	5426.8	7582.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	16.	5.7	97.6	136.3
LEUROGLOSSUS STILBIUS	28.	9.9	170.7	238.6
MERLUCCIUS PRODUCTUS	82.	29.1	500.0	698.6
THERAGRA CHALCOGRAMMA	142.	50.4	865.9	1209.8
SCORPAENIDAE(FAMILY)	14.	5.0	85.4	119.3
TOTAL	282.	100.0	1719.5	2402.6

TABLE:	66	WIND DIRECTION:	270 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	66	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 4/81	SWELL HEIGHT:	2 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.2 C	VOL. FILTERED:	128 M3
POSITION:	48 56.8 N 123 8.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	37 . 34	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	108 M	TIME OF TOW:	1035 HR	ALIQUOT:	
		DEPTH OF TOW:	103 M	S.H.F.:	8.04

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
THERAGRA CHALCOGRAMMA	95.	97.9	742.2	763.8
LYOPSETTA EXILIS	1.	1.0	7.8	8.0
REINHARDTIUS HIPPOGLOSSOIDES	1.	1.0	7.8	8.0
TOTAL	97.	100.0	757.8	779.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	3.	2.5	23.4	24.1
LEUROGLOSSUS STILBIUS	32.	26.9	250.0	257.3
MERLUCCIUS PRODUCTUS	23.	19.3	179.7	184.9
THERAGRA CHALCOGRAMMA	57.	47.9	445.3	458.3
AMMODYTES HEXAPTERUS	1.	0.8	7.8	8.0
SCORPAENIDAE(FAMILY)	2.	1.7	15.6	16.1
AGONIDAE(FAMILY)	1.	0.8	7.8	8.0
TOTAL	119.	100.0	929.7	956.8

TABLE: 67
CRUISE: SG 81- 5
SAMPLE NO.: 67
DATE: 6/ 4/81
VESSEL: CALIGUS
POSITION: 48 53.8 N 123 10.0 W
GRID POSITION: 36 . 37
BOTTOM DEPTH: 127 M

WIND DIRECTION: 270 DEG
WIND VELOCITY: 3 MPS
WAVE HEIGHT:
SWELL HEIGHT: 2 M
SURFACE TEMP: 9.3 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 11.5 HR
DEPTH OF TOW: 122 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 151 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 9.58

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	5.	1.3	33.1	47.9
THERAGRA CHALCOGRAMMA	379.	97.9	2509.9	3630.8
MICROSTOMUS PACIFICUS	2.	0.5	13.2	19.2
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.3	6.6	9.6
TOTAL	387.	100.0	2562.9	3707.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	19.	8.2	125.8	182.0
LEUROGLOSSUS STILBIUS	21.	9.0	139.1	201.2
MERLUCCIUS PRODUCTUS	74.	31.8	490.1	708.9
THERAGRA CHALCOGRAMMA	106.	45.5	702.0	1015.5
AMMODYTES HEXAPTERUS	1.	0.4	6.6	9.6
SCORPAENIDAE(FAMILY)	11.	4.7	72.8	105.4
INOPSETTA ISCHYRA	1.	0.4	6.6	9.6
TOTAL	233.	100.0	1543.0	2232.1

TABLE:	68	WIND DIRECTION:	270 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	68	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.3 C	VOL. FILTERED:	194 M3
POSITION:	48 52.3 N 123 13.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	37 . 39	BT/XBT NUMBER:	28	PLANKTON CONC.:	
BOTTOM DEPTH:	206 M	TIME OF TOW:	1150 HR	ALIQUOT:	
		DEPTH OF TOW:	191 M	S.H.F.:	9.82

EGGS

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES				
LEUROGLOSSUS STILBIUS	1.	0.0	5.2	9.8
MERLUCCIUS PRODUCTUS	5.	0.2	25.8	49.1
MICROGADUS PROXIMUS	889.	39.5	4582.5	8730.0
THERAGRA CHALCOGRAMMA	2.	0.1	10.3	19.6
LYOPSETTA EXILIS	1344.	59.8	6927.8	13198.1
MICROSTOMUS PACIFICUS	5.	0.2	25.8	49.1
	2.	0.1	10.3	19.6
TOTAL	2248.	100.0	11587.6	22075.4

LARVAE

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES				
CLUPEA HARENGUS	1.	0.2	5.2	9.8
LEUROGLOSSUS STILBIUS	23.	5.4	118.6	225.9
MERLUCCIUS PRODUCTUS	12.	2.8	61.9	117.8
THERAGRA CHALCOGRAMMA	109.	25.8	561.9	1070.4
SCORPAENIDAE(FAMILY)	260.	61.5	1340.2	2553.2
MICROSTOMUS PACIFICUS	12.	2.8	61.9	117.8
PSETTICHTHYS MELANOSTICTUS	2.	0.5	10.3	19.6
	4.	0.9	20.6	39.3
TOTAL	423.	100.0	2180.4	4153.9

TABLE:	69	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	69	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.6 C	VOL. FILTERED:	190 M3
POSITION:	48 50.6 N 123 9.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	34 . 39	BT/XBT NUMBER:	29	PLANKTON CONC.:	
BOTTOM DEPTH:	192 M	TIME OF TOW:	1232 HR	ALIQUOT:	
		DEPTH OF TOW:	192 M	S.H.F.:	10.18

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	0.1	10.5	20.4
LEUROGLOSSUS STILBIUS	2.	0.1	10.5	20.4
MERLUCCIUS PRODUCTUS	427.	26.4	2247.4	4346.9
THERAGRA CHALCOGRAMMA	1178.	72.8	6200.0	11992.0
LYOPSETTA EXILIS	2.	0.1	10.5	20.4
MICROSTOMUS PACIFICUS	8.	0.5	42.1	81.4
TOTAL	1619.	100.0	8521.1	16481.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	38.	8.3	200.0	386.8
MERLUCCIUS PRODUCTUS	134.	29.2	705.3	1364.1
THERAGRA CHALCOGRAMMA	209.	45.5	1100.0	2127.6
BATHYMASTERIDAE(FAMILY)	1.	0.2	5.3	10.2
SCORPAENIDAE(FAMILY)	26.	5.7	136.8	264.7
RHAMPHOCOTTUS RICHARDSONI	1.	0.2	5.3	10.2
INOPSETTA ISCHYRA	47.	10.2	247.4	478.5
PSETTICHTHYS MELANOSTICTUS	3.	0.7	15.8	30.5
TOTAL	459.	100.0	2415.8	4672.6

TABLE:	70	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	70	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.0 C	VOL. FILTERED:	152 M3
POSITION:	48 49.1 N 123 7.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	32 . 40	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	137 M	TIME OF TOW:	1305 HR	ALIQUOT:	
		DEPTH OF TOW:	130 M	S.H.F.:	9.03

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.4	6.6	9.0
MERLUCCIUS PRODUCTUS	20.	8.6	131.6	180.6
THERAGRA CHALCOGRAMMA	208.	89.7	1368.4	1878.2
LYOPSETTA EXILIS	2.	0.9	13.2	18.1
MICROSTOMUS PACIFICUS	1.	0.4	6.6	9.0
TOTAL	232.	100.0	1526.3	2095.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	11.	14.1	72.4	99.3
LEUROGLOSSUS STILBIUS	8.	10.3	52.6	72.2
MERLUCCIUS PRODUCTUS	17.	21.8	111.8	153.5
THERAGRA CHALCOGRAMMA	29.	37.2	190.8	261.9
BATHYMASTERIDAE(FAMILY)	1.	1.3	6.6	9.0
SCORPAENIDAE(FAMILY)	11.	14.1	72.4	99.3
PLATICHTHYS STELLATUS	1.	1.3	6.6	9.0
TOTAL	78.	100.0	513.2	704.3

TABLE: 71
CRUISE: SG 81- 5
SAMPLE NO.: 71
DATE: 6/ 4/81
VESSEL: CALIGUS
POSITION: 48 49.7 N 123 5.0 W
GRID POSITION: 31 . 38
BOTTOM DEPTH: 191 M

WIND DIRECTION: 180 DEG
WIND VELOCITY: 3 MPS
WAVE HEIGHT:
SWELL HEIGHT: 0 M
SURFACE TEMP: 9.2 C
STD NUMBER:
BT/XBT NUMBER: 30
TIME OF TOW: 1335 HR
DEPTH OF TOW: 176 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 187 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 9.44

EGGS

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	12.	1.8	64.2	113.3
THERAGRA CHALCOGRAMMA	659.	98.1	3524.1	6221.0
LYOPSETTA EXILIS	1.	0.1	5.3	9.4
TOTAL	672.	100.0	3593.6	6343.7

LARVAE

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	15.	7.6	80.2	141.6
GADUS MACROCEPHALUS	1.	0.5	5.3	9.4
MERLUCCIUS PRODUCTUS	22.	11.1	117.6	207.7
THERAGRA CHALCOGRAMMA	139.	70.2	743.3	1312.2
SCORPAENIDAE(FAMILY)	19.	9.6	101.6	179.4
CYCLOPTERIDAE(FAMILY)	1.	0.5	5.3	9.4
MICROSTOMUS PACIFICUS	1.	0.5	5.3	9.4
TOTAL	198.	100.0	1058.8	1869.1

TABLE:	72	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	72	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.4 C	VOL. FILTERED:	201 M3
POSITION:	48 48.6 N 123 2.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	29 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	172 M	TIME OF TOW:	1408 HR	ALIQUOT:	
		DEPTH OF TOW:	160 M	S.H.F.:	7.98

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	3.	0.9	14.9	23.9
MERLUCCIUS PRODUCTUS	2.	0.6	10.0	16.0
THERAGRA CHALCOGRAMMA	324.	97.9	1611.9	2585.5
LYOPSETTA EXILIS	2.	0.6	10.0	16.0
TOTAL	331.	100.0	[illegible]	2641.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	7.	3.3	34.8	55.9
LEUROGLOSSUS STILBIUS	11.	5.1	54.7	87.8
GADUS MACROCEPHALUS	1.	0.5	5.0	8.0
MERLUCCIUS PRODUCTUS	27.	12.6	134.3	215.5
THERAGRA CHALCOGRAMMA	118.	54.9	587.1	941.6
SCORPAENIDAE(FAMILY)	44.	20.5	218.9	351.1
COTTIDAE(FAMILY)	2.	0.9	10.0	16.0
CYCLOPTERIDAE(FAMILY)	2.	0.9	10.0	16.0
INOPSETTA ISCHYRA	1.	0.5	5.0	8.0
MICROSTOMUS PACIFICUS	1.	0.5	5.0	8.0
PSETTICHTHYS MELANOSTICTUS	1.	0.5	5.0	8.0
TOTAL	215.	100.0	1069.7	1715.7

TABLE:	73	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	73	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.6 C	VOL. FILTERED:	158 M3
POSITION:	48 49.3 N 122 59.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	28 . 37	BT/XBT NUMBER:	31	PLANKTON CONC.:	
BOTTOM DEPTH:	210 M	TIME OF TOW:	1435 HR	ALIQUOT:	
		DEPTH OF TOW:	195 M	S.H.F.:	12.37

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	1.3	12.7	24.7
MERLUCCIUS PRODUCTUS	8.	5.2	50.6	99.0
THERAGRA CHALCOGRAMMA	144.	92.9	911.4	1781.3
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.6	6.3	12.4
TOTAL	155.	100.0	981.0	1917.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	8.	4.3	50.6	99.0
LEUROGLOSSUS STILBIUS	7.	3.7	44.3	86.6
MERLUCCIUS PRODUCTUS	12.	6.4	75.9	148.4
THERAGRA CHALCOGRAMMA	118.	63.1	746.8	1459.7
AMMODYTES HEXAPTERUS	4.	2.1	25.3	49.5
SCORPAENIDAE(FAMILY)	32.	17.1	202.5	395.8
COTTIDAE(FAMILY)	3.	1.6	19.0	37.1
INOPSETTA ISCHYRA	1.	0.5	6.3	12.4
INOPSETTA ISOLEPIS	1.	0.5	6.3	12.4
PSETTICHTHYS MELANOSTICTUS	1.	0.5	6.3	12.4
TOTAL	187.	100.0	1183.5	2313.2

TABLE: 74	WIND DIRECTION: 135 DEG	TOW SPEED: 1 MPS
CRUISE: SG 81- 5	WIND VELOCITY: 3 MPS	TYPE OF TOW: OBLIQUE
SAMPLE NO.: 74	WAVE HEIGHT:	GEAR TYPE: BONGO .25 M2
DATE: 6/ 4/81	SWELL HEIGHT:	MESH SIZE: .351 MM
VESSEL: CALIGUS	SURFACE TEMP: 8.8 C	VOL. FILTERED: 209 M3
POSITION: 48 47.4 N 122 58.2 W	STD NUMBER:	DISP. VOLUME:
GRID POSITION: 26 . 38	BT/XBT NUMBER: 32	PLANKTON CONC.:
BOTTOM DEPTH: 230 M	TIME OF TOW: 1515 HR	ALIQUOT:
	DEPTH OF TOW: 199 M	S.H.F : 9.51

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	0.7	9.6	19.0
LEUROGLOSSUS STILBIUS	1.	0.3	4.8	9.5
MERLUCCIUS PRODUCTUS	18.	6.3	86.1	171.2
THERAGRA CHALCOGRAMMA	258.	89.6	1234.4	2453.6
LYOPSETTA EXILIS	2.	0.7	9.6	19.0
REINHARDTIUS HIPPOGLOSSOIDES	7.	2.4	33.5	66.6
TOTAL	288.	100.0	1378.0	2738.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/1C M2)
CLUPEA HARENGUS	20.	7.3	95.7	190.2
LEUROGLOSSUS STILBIUS	8.	2.9	38.3	76.1
MERLUCCIUS PRODUCTUS	27.	9.8	129.2	256.8
MICROGADUS PROXIMUS	2.	0.7	9.6	19.0
THERAGRA CHALCOGRAMMA	147.	53.5	703.3	1398.0
BATHYMASTERIDAE(FAMILY)	5.	1.8	23.9	47.6
AMMODYTES HEXAPTERUS	2.	0.7	9.6	19.0
SCORPAENIDAE(FAMILY)	55.	20.0	263.2	523.0
COTTIDAE(FAMILY)	3.	1.1	14.4	28.5
CYCLOPTERIDAE(FAMILY)	5.	1.8	23.9	47.6
PSETTICHTHYS MELANOSTICTUS	1.	0.4	4.8	9.5
TOTAL	275.	100.0	1315.8	2615.3

TABLE: 75
CRUISE: SG 81- 5
SAMPLE NO.: 75
DATE: 6/ 4/81
VESSEL: CALIGUS
POSITION: 48 48.5 N 122 55.3 W
GRID POSITION: 25 . 36
BOTTOM DEPTH: 200 M

WIND DIRECTION: 0 DEG
WIND VELOCITY: 0 MPS
WAVE HEIGHT:
SWELL HEIGHT:
SURFACE TEMP: 9.2 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 1555 HR
DEPTH OF TOW: 188 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 214 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 8.78

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES				
MERLUCCIUS PRODUCTUS	9.	5.6	42.1	79.0
THERAGRA CHALCOGRAMMA	4.	2.5	18.7	35.1
GLYPTOCEPHALUS ZACHIRUS	137.	85.1	640.2	1202.9
INOPSETTA ISCHYRA	2.	1.2	9.3	17.6
LYOPSETTA EXILIS	2.	1.2	9.3	17.6
REINHARDTIUS HIPPOGLOSSOIDES	3.	1.9	14.0	26.3
	4.	2.5	18.7	35.1
TOTAL	161.	100.0	752.3	1413.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	13.	5.4	60.7	114.1
LEUROGLOSSUS STILBIUS	15.	6.3	70.1	131.7
MERLUCCIUS PRODUCTUS	21.	8.8	98.1	184.4
MICROGADUS PROXIMUS	2.	0.8	9.3	17.6
THERAGRA CHALCOGRAMMA	122.	50.8	570.1	1071.2
AMMODYTES HEXAPTERUS	6.	2.5	28.0	52.7
SCORPAENIDAE(FAMILY)	44.	18.3	205.6	386.3
COTTIDAE(FAMILY)	5.	2.1	23.4	43.9
CYCLOPTERIDAE(FAMILY)	2.	0.8	9.3	17.6
INOPSETTA ISCHYRA	1.	0.4	4.7	8.8
INOPSETTA ISOLEPIS	5.	2.1	23.4	43.9
PSETTICHTHYS MELANOSTICTUS	4.	1.7	18.7	35.1
TOTAL	240.	100.0	1121.5	2107.2

TABLE:	76	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	76	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.5 C	VOL. FILTERED:	181 M3
POSITION:	48 50.7 N 122 54.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	26 . 34	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	185 M	TIME OF TOW:	1638 HR	ALIQUOT:	
		DEPTH OF TOW:	173 M	S.H.F.:	9.57

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	61.	32.4	337.0	583.8
LEUROGLOSSUS STILBIUS	3.	1.6	16.6	28.7
MERLUCCIUS PRODUCTUS	7.	3.7	38.7	67.0
THERAGRA CHALCOGRAMMA	97.	51.6	535.9	928.3
LYOPSETTA EXILIS	2.	1.1	11.0	19.1
MICROSTOMUS PACIFICUS	12.	6.4	66.3	114.8
REINHARDTIUS HIPPOGLOSSOIDES	6.	3.2	33.1	57.4
TOTAL	188.	100.0	1038.7	1799.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	11.	4.1	60.8	105.3
LEUROGLOSSUS STILBIUS	2.	0.7	11.0	19.1
MERLUCCIUS PRODUCTUS	10.	3.7	55.2	95.7
THERAGRA CHALCOGRAMMA	175.	65.5	966.9	1674.8
BATHYMASTERIDAE(FAMILY)	2.	0.7	11.0	19.1
AMMODYTES HEXAPTERUS	4.	1.5	22.1	38.3
SCORPAENIDAE(FAMILY)	50.	18.7	276.2	478.5
COTTIDAE(FAMILY)	4.	1.5	22.1	38.3
CYCLOPTERIDAE(FAMILY)	4.	1.5	22.1	38.3
INOPSETTA ISCHYRA	1.	0.4	5.5	9.6
INOPSETTA ISOLEPIS	2.	0.7	11.0	19.1
PSETTICHTHYS MELANOSTICTUS	2.	0.7	11.0	19.1
TOTAL	267.	100.0	1475.1	2555.2

TABLE:	77	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	77	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.1 C	VOL. FILTERED:	146 M3
POSITION:	48 54.0 N 122 56.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	29 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	127 M	TIME OF TOW:	1712 HR	ALIQUOT:	
		DEPTH OF TOW:	114 M	S.H.F.:	7.81

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	4.	7.1	27.4	31.2
MERLUCCIUS PRODUCTUS	2.	3.6	13.7	15.6
THERAGRA CHALCOGRAMMA	44.	78.6	301.4	343.6
REINHARDTIUS HIPPOGLOSSOIDES	6.	10.7	41.1	46.9
TOTAL	56.	100.0	383.6	437.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	8.	2.6	54.8	62.5
LEUROGLOSSUS STILBIUS	2.	0.7	13.7	15.6
MERLUCCIUS PRODUCTUS	24.	7.9	164.4	187.4
THERAGRA CHALCOGRAMMA	217.	71.4	1486.3	1694.8
AMMODYTES HEXAPTERUS	13.	4.3	89.0	101.5
SCORPAENIDAE(FAMILY)	25.	8.2	171.2	195.3
INOPSETTA ISCHYRA	1.	0.3	6.8	7.8
INOPSETTA ISOLEPIS	7.	2.3	47.9	54.7
PLATICHTHYS STELLATUS	5.	1.6	34.2	39.0
PSETTICHTHYS MELANOSTICTUS	2.	0.7	13.7	15.6
TOTAL	304.	100.0	2082.2	2374.2

TABLE:	78	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	78	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	212 M3
POSITION:	48 51.7 N 122 58.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	28 . 34	BT/XBT NUMBER:	33	PLANKTON CONC.:	
BOTTOM DEPTH:	209 M	TIME OF TOW:	1740 HR	ALIQUOT:	
		DEPTH OF TOW:	191 M	S.H.F.:	9.01

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES				
MERLUCCIUS PRODUCTUS	4.	1.8	18.9	36.0
THERAGRA CHALCOGRAMMA	10.	4.4	47.2	90.1
MICROSTOMUS PACIFICUS	209.	92.9	985.8	1883.1
	2.	0.9	9.4	18.0
TOTAL	225.	100.0	1061.3	2027.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	5.	2.9	23.6	45.1
MERLUCCIUS PRODUCTUS	19.	11.1	89.6	171.2
MICROGADUS PROXIMUS	1.	0.6	4.7	9.0
THERAGRA CHALCOGRAMMA	94.	55.0	443.4	846.9
AMMODYTES HEXAPTERUS	7.	4.1	33.0	63.1
SCORPAENIDAE(FAMILY)	34.	19.9	160.4	306.3
COTTIDAE(FAMILY)	2.	1.2	9.4	18.0
RHAMPHOCOTTUS RICHARDSONI	1.	0.6	4.7	9.0
CYCLOPTERIDAE(FAMILY)	5.	2.9	23.6	45.1
PLATICHTHYS STELLATUS	3.	1.8	14.2	27.0
TOTAL	171.	100.0	806.6	1540.7

TABLE:	79	WIND DIRECTION:	270 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	6 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	79	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.6 C	VOL. FILTERED:	171 M3
POSITION:	48 51.8 N 123 2.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	31 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	169 M	TIME OF TOW:	1815 HR	ALIQUOT:	
		DEPTH OF TOW:	156 M	S.H.F.:	9.10

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.4	5.8	9.1
LEUROGLOSSUS STILBIUS	12.	4.8	70.2	109.2
MERLUCCIUS PRODUCTUS	13.	5.2	76.0	118.3
MICROGADUS PROXIMUS	12.	4.8	70.2	109.2
THERAGRA CHALCOGRAMMA	205.	81.3	1198.8	1865.5
REINHARDTIUS HIPPOGLOSSOIDES	9.	3.6	52.6	81.9
TOTAL	252.	100.0	1473.7	2293.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	18.	7.9	105.3	163.8
LEUROGLOSSUS STILBIUS	4.	1.7	23.4	36.4
MERLUCCIUS PRODUCTUS	8.	3.5	46.8	72.8
THERAGRA CHALCOGRAMMA	121.	52.8	707.6	1101.1
STICHAEIDAE(FAMILY)	2.	0.9	11.7	18.2
AMMODYTES HEXAPTERUS	6.	2.6	35.1	54.6
SCORPAENIDAE(FAMILY)	54.	23.6	315.8	491.4
COTTIDAE(FAMILY)	4.	1.7	23.4	36.4
AGONIDAE(FAMILY)	1.	0.4	5.8	9.1
CYCLOPTERIDAE(FAMILY)	3.	1.3	17.5	27.3
LYOPSETTA EXILIS	3.	1.3	17.5	27.3
MICROSTOMUS PACIFICUS	2.	0.9	11.7	18.2
PSETTICHTHYS MELANOSTICTUS	3.	1.3	17.5	27.3
TOTAL	229.	100.0	1339.2	2083.9

TABLE:	80	WIND DIRECTION:	270 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 5	WIND VELOCITY:	6 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	80	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.7 C	VOL. FILTERED:	143 M3
POSITION:	48 55.4 N 123 2.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	33 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	129 M	TIME OF TOW:	1900 HR	ALIQUOT:	
		DEPTH OF TOW:	121 M	S.H.F.:	8.45

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	1.	2.6	7.0	8.4
THERAGRA CHALCOGRAMMA	33.	86.8	230.8	278.9
LYOPSETTA EXILIS	1.	2.6	7.0	8.4
MICROSTOMUS PACIFICUS	1.	2.6	7.0	8.4
REINHARDTIUS HIPPOGLOSSOIDES	2.	5.3	14.0	16.9
TOTAL	38.	100.0	265.7	321.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	2.	1.4	14.0	16.9
LEUROGLOSSUS STILBIUS	12.	8.2	83.9	101.4
MERLUCCIUS PRODUCTUS	65.	44.5	454.5	549.3
THERAGRA CHALCOGRAMMA	57.	39.0	398.6	481.6
AMMODYTES HEXAPTERUS	5.	3.4	35.0	42.3
SCORPAENIDAE(FAMILY)	5.	3.4	35.0	42.3
TOTAL	146.	100.0	1021.0	1233.7

TABLE:	81	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	1	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	14/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.6 C	VOL. FILTERED:	295 M3
POSITION:	49 22.8 N 124 10.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	85 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	334 M	TIME OF TOW:	0835 HR	ALIQUOT:	
		DEPTH OF TOW:	302 M	S.H.F.:	10.23

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	17.	0.9	57.6	173.9
MERLUCCIUS PRODUCTUS	1612.	87.9	5464.4	16490.8
THERAGRA CHALCOGRAMMA	199.	10.9	674.6	2035.8
LYOPSETTA EXILIS	5.	0.3	16.9	51.1
TOTAL	1833.	100.0	6213.6	18751.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.1	3.4	10.2
CLUPEA HARENGUS	16.	1.8	54.2	163.7
LEUROGLOSSUS STILBIUS	59.	6.7	200.0	603.6
MERLUCCIUS PRODUCTUS	695.	78.4	2355.9	7109.8
THERAGRA CHALCOGRAMMA	104.	11.7	352.5	1063.9
SCORPAENIDAE(FAMILY)	10.	1.1	33.9	102.3
INOPSETTA ISCHYRA	1.	0.1	3.4	10.2
LYOPSETTA EXILIS	1.	0.1	3.4	10.2
TOTAL	887.	100.0	3006.8	9074.0

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LYCODAPUS MANDIBULARIS	1.	100.0	3.4	10.2
TOTAL	1.	100.0	3.4	10.2

TABLE:	82	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	2	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	14/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	298 M3
POSITION:	49 20.3 N 124 7.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	82 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	345 M	TIME OF TOW:	1010 HR	ALIQUOT:	
		DEPTH OF TOW:	303 M	S.H.F.:	10.18

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	22.	0.9	73.8	224.0
MERLUCCIUS PRODUCTUS	2163.	92.2	7258.4	22019.3
THERAGRA CHALCOGRAMMA	157.	6.7	526.8	1598.3
LYOPSETTA EXILIS	3.	0.1	10.1	30.5
MICROSTOMUS PACIFICUS	1.	0.0	3.4	10.2
TOTAL	2346.	100.0	7872.5	23882.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	36.	3.6	120.8	366.5
MERLUCCIUS PRODUCTUS	727.	72.5	2439.6	7400.9
THERAGRA CHALCOGRAMMA	204.	20.3	684.6	2076.7
SCORPAENIDAE(FAMILY)	29.	2.9	97.3	295.2
INOPSETTA ISCHYRA	3.	0.3	10.1	30.5
LYOPSETTA EXILIS	2.	0.2	6.7	20.4
MICROSTOMUS PACIFICUS	2.	0.2	6.7	20.4
TOTAL	1003.	100.0	3365.8	10210.5

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LYCODAPUS MANDIBULARIS	1.	100.0	3.4	10.2
TOTAL	1.	100.0	3.4	10.2

TABLE:	83	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	3	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	14/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.0 C	VOL. FILTERED:	227 M3
POSITION:	49 18.2 N 124 4.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	79 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	225 M	TIME OF TOW:	1100 HR	ALIQUOT:	
		DEPTH OF TOW:	212 M	S.H.F.:	9.36

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	21.	1.0	92.5	196.6
MERLUCCIUS PRODUCTUS	2002.	92.9	8819.4	18738.7
THERAGRA CHALCOGRAMMA	125.	5.8	550.7	1170.0
LYOPSETTA EXILIS	6.	0.3	26.4	56.2
MICROSTOMUS PACIFICUS	1.	0.0	4.4	9.4
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.0	4.4	9.4
TOTAL	2156.	100.0	9497.8	20180.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	9.	1.6	39.6	84.2
LEUROGLOSSUS STILBIUS	43.	7.6	189.4	402.5
MERLUCCIUS PRODUCTUS	402.	71.3	1770.9	3762.7
THERAGRA CHALCOGRAMMA	90.	16.0	396.5	842.4
SCORPAENIDAE(FAMILY)	12.	2.1	52.9	112.3
INOPSETTA ISCHYRA	1.	0.2	4.4	9.4
LYOPSETTA EXILIS	7.	1.2	30.8	65.5
TOTAL	564.	100.0	2484.6	5279.0

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	4.4	9.4
TOTAL	1.	100.0	4.4	9.4

TABLE:	84	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	4	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	14/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.4 C	VOL. FILTERED:	367 M3
POSITION:	49 20.3 N 124 1.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	79 . 34	BT/XBT NUMBER:	1	PLANKTON CONC.:	
BOTTOM DEPTH:	405 M	TIME OF TOW:	1210 HR	ALIQUOT:	
		DEPTH OF TOW:	372 M	S.H.F.:	10.13

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	22.	2.8	59.9	222.9
MERLUCCIUS PRODUCTUS	628.	80.5	1711.2	6361.6
THERAGRA CHALCOGRAMMA	122.	15.6	332.4	1235.9
LYOPSETTA EXILIS	5.	0.6	13.6	50.7
MICROSTOMUS PACIFICUS	3.	0.4	8.2	30.4
TOTAL	780.	100.0	2125.3	7901.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	5.	0.4	13.6	50.7
LEUROGLOSSUS STILBIUS	70.	5.0	190.7	709.1
MERLUCCIUS PRODUCTUS	1112.	79.9	3030.0	11264.6
THERAGRA CHALCOGRAMMA	178.	12.8	485.0	1803.1
BATHYMASTERIDAE(FAMILY)	1.	0.1	2.7	10.1
SCORPAENIDAE(FAMILY)	23.	1.7	62.7	233.0
LYOPSETTA EXILIS	2.	0.1	5.4	20.3
TOTAL	1391.	100.0	3790.2	14090.8

TABLE:	85	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	5	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	14/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.2 C	VOL. FILTERED:	259 M3
POSITION:	49 21.4 N 123 58.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	78 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	255 M	TIME OF TOW:	1305 HR	ALIQUOT:	
		DEPTH OF TOW:	232 M	S.H.F.:	8.95

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	29.	2.4	112.0	259.5
MERLUCCIUS PRODUCTUS	958.	79.8	3698.8	8574.1
THERAGRA CHALCOGRAMMA	209.	17.4	806.9	1870.5
LYOPSETTA EXILIS	2.	0.2	7.7	17.9
MICROSTOMUS PACIFICUS	2.	0.2	7.7	17.9
TOTAL	1200.	100.0	4633.2	10740.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	63.	6.0	243.2	563.8
MERLUCCIUS PRODUCTUS	736.	70.6	2841.7	6587.2
THERAGRA CHALCOGRAMMA	224.	21.5	864.9	2004.8
SCORPAENIDAE(FAMILY)	14.	1.3	54.1	125.3
AGONIDAE(FAMILY)	1.	0.1	3.9	8.9
INOPSETTA ISCHYRA	3.	0.3	11.6	26.9
LYOPSETTA EXILIS	1.	0.1	3.9	8.9
MICROSTOMUS PACIFICUS	1.	0.1	3.9	8.9
TOTAL	1043.	100.0	4027.0	9334.8

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LYCODAPUS MANDIBULARIS	2.	100.0	7.7	17.9
TOTAL	2.	100.0	7.7	17.9

TABLE: 86
CRUISE: SG 81- 7
SAMPLE NO.: 6
DATE: 14/ 4/81
VESSEL: CALIGUS
POSITION: 49 22.8 N 124 4.8 W
GRID POSITION: 82 . 33
BOTTOM DEPTH: 251 M

WIND DIRECTION: 0 DEG
WIND VELOCITY: 0 MPS
WAVE HEIGHT:
SWELL HEIGHT: 0 M
SURFACE TEMP: 9.5 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 1350 HR
DEPTH OF TOW: 241 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 257 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 9.38

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	34.	2.3	132.3	318.9
MERLUCCIUS PRODUCTUS	1264.	85.1	4918.3	11856.3
THERAGRA CHALCOGRAMMA	184.	12.4	716.0	1725.9
LYOPSETTA EXILIS	2.	0.1	7.8	18.8
MICROSTOMUS PACIFICUS	1.	0.1	3.9	9.4
TOTAL	1485.	100.0	5778.2	13929.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	32.	3.5	124.5	300.2
LEUROGLOSSUS STILBIUS	70.	7.6	272.4	656.6
MERLUCCIUS PRODUCTUS	658.	71.1	2560.3	6172.0
THERAGRA CHALCOGRAMMA	151.	16.3	587.5	1416.4
BATHYMASTERIDAE(FAMILY)	1.	0.1	3.9	9.4
SCORPAENIDAE(FAMILY)	9.	1.0	35.0	84.4
INOPSETTA ISCHYRA	1.	0.1	3.9	9.4
LYOPSETTA EXILIS	2.	0.2	7.8	18.8
MICROSTOMUS PACIFICUS	2.	0.2	7.8	18.8
TOTAL	926.	100.0	3603.1	8685.9

TABLE:	87	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	7	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	14/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.9 C	VOL. FILTERED:	305 M3
POSITION:	49 25.6 N 124 5.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	84 . 31	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	330 M	TIME OF TOW:	1435 HR	ALIQUOT:	
		DEPTH OF TOW:	294 M	S.H.F.:	9.64

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	30.	2.2	98.4	289.2
MERLUCCIUS PRODUCTUS	1208.	89.8	3960.7	11645.1
THERAGRA CHALCOGRAMMA	104.	7.7	341.0	1002.6
LYOPSETTA EXILIS	2.	0.1	6.6	19.3
MICROSTOMUS PACIFICUS	1.	0.1	3.3	9.6
TOTAL	1345.	100.0	4409.8	12965.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	1.	0.1	3.3	9.6
LEUROGLOSSUS STILBIUS	38.	3.1	124.6	366.3
MERLUCCIUS PRODUCTUS	1041.	84.0	3413.1	10035.2
THERAGRA CHALCOGRAMMA	142.	11.5	465.6	1368.9
BATHYMASTERIDAE(FAMILY)	1.	0.1	3.3	9.6
SCORPAENIDAE(FAMILY)	9.	0.7	29.5	86.8
INOPSETTA ISCHYRA	4.	0.3	13.1	38.6
LYOPSETTA EXILIS	2.	0.2	6.6	19.3
MICROSTOMUS PACIFICUS	1.	0.1	3.3	9.6
TOTAL	1239.	100.0	4062.3	11944.0

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	50.0	3.3	9.6
LYCODAPUS MANDIBULARIS	1.	50.0	3.3	9.6
TOTAL	2.	100.0	6.6	19.3

TABLE:	88	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	8	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	14/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	11.3 C	VOL. FILTERED:	290 M3
POSITION:	49 28.0 N 124 3.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	84 . 28	BT/XBT NUMBER:	2	PLANKTON CONC.:	
BOTTOM DEPTH:	301 M	TIME OF TOW:	1520 HR	ALIQUOT:	
		DEPTH OF TOW:	274 M	S.H.F.:	9.45

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	28.	2.6	96.6	264.6
MERLUCCIUS PRODUCTUS	895.	83.9	3086.2	8457.8
THERAGRA CHALCOGRAMMA	132.	12.4	455.2	1247.4
LYOPSETTA EXILIS	6.	0.6	20.7	56.7
MICROSTOMUS PACIFICUS	5.	0.5	17.2	47.3
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.1	3.4	9.4
TOTAL	1067.	100.0	3679.3	10083.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	33.	2.1	113.8	311.9
LEUROGLOSSUS STILBIUS	66.	4.2	227.6	623.7
MERLUCCIUS PRODUCTUS	1246.	80.1	4296.6	11774.7
THERAGRA CHALCOGRAMMA	187.	12.0	644.8	1767.2
SCORPAENIDAE(FAMILY)	16.	1.0	55.2	151.2
AGONIDAE(FAMILY)	1.	0.1	3.4	9.4
INOPSETTA ISCHYRA	1.	0.1	3.4	9.4
LYOPSETTA EXILIS	2.	0.1	6.9	18.9
MICROSTOMUS PACIFICUS	2.	0.1	6.9	18.9
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.1	3.4	9.4
TOTAL	1555.	100.0	5362.1	14694.8

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.4	9.4
TOTAL	1.	100.0	3.4	9.4

TABLE:	89	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	9	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	14/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.9 C	VOL. FILTERED:	206 M3
POSITION:	49 27.2 N 123 58.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	81 . 27	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	202 M	TIME OF TOW:	1608 HR	ALIQUOT:	
		DEPTH OF TOW:	190 M	S.H.F.:	9.23

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	22.	4.2	106.8	203.1
MERLUCCIUS PRODUCTUS	359.	67.9	1742.7	3313.6
THERAGRA CHALCOGRAMMA	135.	25.5	655.3	1246.0
LYOPSETTA EXILIS	10.	1.9	48.5	92.3
MICROSTOMUS PACIFICUS	3.	0.6	14.6	27.7
TOTAL	529.	100.0	2568.0	4882.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	54.	6.1	262.1	498.4
LEUROGLOSSUS STILBIUS	31.	3.5	150.5	286.1
MERLUCCIUS PRODUCTUS	457.	51.4	2218.4	4218.1
MICROGADUS PROXIMUS	1.	0.1	4.9	9.2
THERAGRA CHALCOGRAMMA	308.	34.6	1495.1	2842.8
BATHYMASTERIDAE(FAMILY)	1.	0.1	4.9	9.2
SCORPAENIDAE(FAMILY)	34.	3.8	165.0	313.8
MICROSTOMUS PACIFICUS	2.	0.2	9.7	18.5
PSETTICHTHYS MELANOSTICTUS	1.	0.1	4.9	9.2
TOTAL	889.	100.0	4315.5	8205.5

TABLE:	90			TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND DIRECTION:	135 DEG	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	10	WIND VELOCITY:	3 MPS	GEAR TYPE:	BONGO .25 M2
DATE:	14/ 4/81	WAVE HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SWELL HEIGHT:		VOL. FILTERED:	389 M3
POSITION:	49 24.7 N 124 1.0 W	SURFACE TEMP:	10.4 C	DISP. VOLUME:	
GRID POSITION:	81 . 30	STD NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	398 M	BT/XBT NUMBER:	3	ALIQUOT:	
		TIME OF TOW:	1655 HR	S.H.F.:	9.98
		DEPTH OF TOW:	388 M		

EGGS

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	25.	1.6	64.3	249.5
MERLUCCIUS PRODUCTUS	1371.	86.2	3524.4	13682.6
THERAGRA CHALCOGRAMMA	192.	12.1	493.6	1916.2
MICROSTOMUS PACIFICUS	3.	0.2	7.7	29.9
TOTAL	1591.	100.0	4090.0	15878.2

LARVAE

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	27.	1.6	69.4	269.5
LEUROGLOSSUS STILBIUS	68.	4.1	174.8	678.6
MERLUCCIUS PRODUCTUS	1278.	77.1	3285.3	12754.4
THERAGRA CHALCOGRAMMA	240.	14.5	617.0	2395.2
SCORPAENIDAE(FAMILY)	43.	2.6	110.5	429.1
MICROSTOMUS PACIFICUS	1.	0.1	2.6	10.0
TOTAL	1657.	100.0	4259.6	16536.9

TABLE:	91	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	11	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	14/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.5 C	VOL. FILTERED:	288 M3
POSITION:	49 23.9 N 123 56.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	78 . 29	BT/XBT NUMBER:	4	PLANKTON CONC.:	
BOTTOM DEPTH:	306 M	TIME OF TOW:	1755 HR	ALIQUOT:	
		DEPTH OF TOW:	283 M	S.H.F.:	9.84

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	28.	1.7	97.2	275.5
MERLUCCIUS PRODUCTUS	1473.	88.6	5114.6	14494.3
THERAGRA CHALCOGRAMMA	156.	9.4	541.7	1535.0
LYOPSETTA EXILIS	4.	0.2	13.9	39.4
MICROSTOMUS PACIFICUS	1.	0.1	3.5	9.8
TOTAL	1662.	100.0	5770.8	16354.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	26.	1.7	90.3	255.8
LEUROGLOSSUS STILBIUS	71.	4.6	246.5	698.6
MERLUCCIUS PRODUCTUS	1168.	76.3	4055.6	11493.1
THERAGRA CHALCOGRAMMA	239.	15.6	829.9	2351.8
BATHYMASTERIDAE(FAMILY)	1.	0.1	3.5	9.8
STICHAEIDAE(FAMILY)	1.	0.1	3.5	9.8
SCORPAENIDAE(FAMILY)	22.	1.4	76.4	216.5
INOPSETTA ISCHYRA	1.	0.1	3.5	9.8
REINHARDTIUS HIPPOGLOSSOIDES	2.	0.1	6.9	19.7
TOTAL	1531.	100.0	5316.0	15065.0

TABLE:	92	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	12	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	14/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.4 C	VOL. FILTERED:	206 M3
POSITION:	49 24.4 N 123 52.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	76 . 27	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	187 M	TIME OF TOW:	1835 HR	ALIQUOT:	
		DEPTH OF TOW:	173 M	S.H.F.:	8.42

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	0.3	9.7	16.8
MERLUCCIUS PRODUCTUS	536.	80.5	2601.9	4513.1
THERAGRA CHALCOGRAMMA	121.	18.2	587.4	1018.8
LYOPSETTA EXILIS	5.	0.8	24.3	42.1
MICROSTOMUS PACIFICUS	2.	0.3	9.7	16.8
TOTAL	666.	100.0	3233.0	5607.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	25.	4.3	121.4	210.5
LEUROGLOSSUS STILBIUS	70.	11.9	339.8	589.4
MERLUCCIUS PRODUCTUS	295.	50.2	1432.0	2483.9
THERAGRA CHALCOGRAMMA	181.	30.8	878.6	1524.0
SCORPAENIDAE(FAMILY)	14.	2.4	68.0	117.9
INOPSETTA ISCHYRA	2.	0.3	9.7	16.8
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.2	4.9	8.4
TOTAL	588.	100.0	2854.4	4951.0

TABLE: 93	WIND DIRECTION: 135 DEG	TOW SPEED: 1 MPS
CRUISE: SG 81- 7	WIND VELOCITY: 4 MPS	TYPE OF TOW: OBLIQUE
SAMPLE NO.: 13	WAVE HEIGHT:	GEAR TYPE: BONGO .25 M2
DATE: 15/ 4/81	SWELL HEIGHT:	MESH SIZE: .351 MM
VESSEL: CALIGUS	SURFACE TEMP: 8.7 C	VOL. FILTERED: 204 M3
POSITION: 49 27.2 N 123 52.9 W	STD NUMBER:	DISP. VOLUME:
GRID POSITION: 78 . 25	BT/XBT NUMBER:	PLANKTON CONC.:
BOTTOM DEPTH: 205 M	TIME OF TOW: 0650 HR	ALIQUOT:
	DEPTH OF TOW: 192 M	S.H.F.: 9.41

EGGS

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES				
LEUROGLOSSUS STILBIUS	1.	0.6	4.9	9.4
MERLUCCIUS PRODUCTUS	7.	4.1	34.3	65.9
THERAGRA CHALCOGRAMMA	106.	62.0	519.6	997.5
LYOPSETTA EXILIS	48.	28.1	235.3	451.7
MICROSTOMUS PACIFICUS	5.	2.9	24.5	47.0
REINHARDTIUS HIPPOGLOSSOIDES	2.	1.2	9.8	18.8
	2.	1.2	9.8	18.8
TOTAL	171.	100.0	838.2	1609.1

LARVAE

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	31.	3.6	152.0	291.7
LEUROGLOSSUS STILBIUS	67.	7.8	328.4	630.5
MERLUCCIUS PRODUCTUS	422.	49.0	2068.6	3971.0
THERAGRA CHALCOGRAMMA	308.	35.7	1509.8	2898.3
BATHYMASTERIDAE(FAMILY)	4.	0.5	19.6	37.6
AMMODYTES HEXAPTERUS	3.	0.3	14.7	28.2
SCORPAENIDAE(FAMILY)	18.	2.1	88.2	169.4
COTTIDAE(FAMILY)	1.	0.1	4.9	9.4
CYCLOPTERIDAE(FAMILY)	2.	0.2	9.8	18.8
INOPSETTA ISCHYRA	2.	0.2	9.8	18.8
PSETTICHTHYS MELANOSTICTUS	1.	0.1	4.9	9.4
REINHARDTIUS HIPPOGLOSSOIDES	3.	0.3	14.7	28.2
TOTAL	862.	100.0	4225.5	8111.4

TABLE:	94	WIND DIRECTION: 135 DEG	TOW SPEED: 1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY: 8 MPS	TYPE OF TOW: OBLIQUE
SAMPLE NO.:	14	WAVE HEIGHT:	GEAR TYPE: BONGO .25 M2
DATE:	15/ 4/81	SWELL HEIGHT:	MESH SIZE: .351 MM
VESSEL:	CALIGUS	SURFACE TEMP: 9.0 C	VOL. FILTERED: 160 M3
POSITION:	49 25.2 N 123 45.8 W	STD NUMBER:	DISP. VOLUME:
GRID POSITION:	73 . 24	BT/XBT NUMBER:	PLANKTON CONC.:
BOTTOM DEPTH:	169 M	TIME OF TOW: 0755 HR	ALIQUOT:
		DEPTH OF TOW: 162 M	S.H.F.: 10.12

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	1.0	6.3	10.1
MERLUCCIUS PRODUCTUS	62.	63.3	387.5	627.4
THERAGRA CHALCOGRAMMA	26.	26.5	162.5	263.1
LYOPSETTA EXILIS	6.	6.1	37.5	60.7
MICROSTOMUS PACIFICUS	2.	2.0	12.5	20.2
REINHARDTIUS HIPPOGLOSSOIDES	1.	1.0	6.3	10.1
TOTAL	98.	100.0	612.5	991.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	3.	1.1	18.8	30.4
LEUROGLOSSUS STILBIUS	15.	5.4	93.8	151.8
MERLUCCIUS PRODUCTUS	123.	44.4	768.8	1244.8
THERAGRA CHALCOGRAMMA	125.	45.1	781.3	1265.0
SCORPAENIDAE(FAMILY)	11.	4.0	68.8	111.3
TOTAL	277.	100.0	1731.3	2803.2

TABLE: 95	WIND DIRECTION: 135 DEG	TOW SPEED: 1 MPS
CRUISE: SG 81- 7	WIND VELOCITY: 8 MPS	TYPE OF TOW: OBLIQUE
SAMPLE NO.: 15	WAVE HEIGHT:	GEAR TYPE: BONGO .25 M2
DATE: 15/ 4/81	SWELL HEIGHT:	MESH SIZE: .351 MM
VESSEL: CALIGUS	SURFACE TEMP: 9.0 C	VOL. FILTERED: 167 M3
POSITION: 49 23.2 N 123 38.6 W	STD NUMBER:	DISP. VOLUME:
GRID POSITION: 68 . 23	BT/XBT NUMBER: 5	PLANKTON CONC.:
BOTTOM DEPTH: 172 M	TIME OF TOW: 0855 HR	ALIQUOT:
	DEPTH OF TOW: 160 M	S.H.F.: 9.61

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	5.	7.2	29.9	48.0
MERLUCCIUS PRODUCTUS	50.	72.5	299.4	480.5
THERAGRA CHALCOGRAMMA	8.	11.6	47.9	76.9
LYOPSETTA EXILIS	2.	2.9	12.0	19.[illegible]
MICROSTOMUS PACIFICUS	1.	1.4	6.0	9.6
REINHARDTIUS HIPPOGLOSSOIDES	3.	4.3	18.0	28.8
TOTAL	69.	100.0	413.2	663.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	19.	5.3	113.8	182.6
LEUROGLOSSUS STILBIUS	5.	1.4	29.9	48.0
MERLUCCIUS PRODUCTUS	215.	59.7	1287.4	2066.1
THERAGRA CHALCOGRAMMA	104.	28.9	622.8	999.4
SCORPAENIDAE(FAMILY)	10.	2.8	59.9	96.1
COTTIDAE(FAMILY)	1.	0.3	6.0	9.6
INOPSETTA ISCHYRA	3.	0.8	18.0	28.8
LYOPSETTA EXILIS	2.	0.6	12.0	19.2
PSETTICHTHYS MELANOSTICTUS	1.	0.3	6.0	9.6
TOTAL	360.	100.0	2155.7	3459.6

TABLE:	96	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	16	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	15/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.3 C	VOL. FILTERED:	170 M3
POSITION:	49 19.4 N 123 40.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	67 . 27	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	173 M	TIME OF TOW:	0950 HR	ALIQUOT:	
		DEPTH OF TOW:	162 M	S.H.F.:	9.55

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	3.1	17.6	28.7
MERLUCCIUS PRODUCTUS	49.	50.5	288.2	468.0
THERAGRA CHALCOGRAMMA	42.	43.3	247.1	401.1
LYOPSETTA EXILIS	3.	3.1	17.6	28.7
TOTAL	97.	100.0	570.6	926.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	7.	2.0	41.2	66.8
LEUROGLOSSUS STILBIUS	9.	2.6	52.9	86.0
MERLUCCIUS PRODUCTUS	240.	69.8	1411.8	2292.0
THERAGRA CHALCOGRAMMA	81.	23.5	476.5	773.5
SCORPAENIDAE(FAMILY)	6.	1.7	35.3	57.3
LYOPSETTA EXILIS	1.	0.3	5.9	9.6
TOTAL	344.	100.0	2023.5	3285.2

TABLE:	97	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	17	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	15/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.4 C	VOL. FILTERED:	165 M3
POSITION:	49 21.3 N 123 42.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	69 . 26	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	189 M	TIME OF TOW:	1030 HR	ALIQUOT:	
		DEPTH OF TOW:	171 M	S.H.F.:	10.39

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	5.	4.3	30.3	52.0
MERLUCCIUS PRODUCTUS	75.	64.1	454.5	779.3
THERAGRA CHALCOGRAMMA	33.	28.2	200.0	342.9
LYOPSETTA EXILIS	4.	3.4	24.2	41.6
TOTAL	117.	100.0	709.1	1215.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	6.	2.0	36.4	62.3
LEUROGLOSSUS STILBIUS	34.	11.1	206.1	353.3
MERLUCCIUS PRODUCTUS	194.	63.2	1175.8	2015.7
THERAGRA CHALCOGRAMMA	62.	20.2	375.8	644.2
SCORPAENIDAE(FAMILY)	11.	3.6	66.7	114.3
TOTAL	307.	100.0	1860.6	3189.7

TABLE:	98	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	10 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	18	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	15/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.2 C	VOL. FILTERED:	198 M3
POSITION:	49 22.2 N 123 47.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	72 . 27	BT/XBT NUMBER:	6	PLANKTON CONC.:	
BOTTOM DEPTH:	178 M	TIME OF TOW:	1110 HR	ALIQUOT:	
		DEPTH OF TOW:	166 M	S.H.F.:	8.39

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.2	5.1	8.4
LEUROGLOSSUS STILBIUS	8.	1.6	40.4	67.1
MERLUCCIUS PRODUCTUS	312.	63.8	1575.8	2617.7
THERAGRA CHALCOGRAMMA	166.	33.9	838.4	1392.7
LYOPSETTA EXILIS	1.	0.2	5.1	8.4
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.2	5.1	8.4
TOTAL	489.	100.0	2469.7	4102.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	28.	7.1	141.4	234.9
MERLUCCIUS PRODUCTUS	198.	50.5	1000.0	1661.2
THERAGRA CHALCOGRAMMA	151.	38.5	762.6	1266.9
SCORPAENIDAE(FAMILY)	13.	3.3	65.7	109.1
INOPSETTA ISCHYRA	1.	0.3	5.1	8.4
LYOPSETTA EXILIS	1.	0.3	5.1	8.4
TOTAL	392.	100.0	1979.8	3288.9

TABLE:	99	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	10 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	19	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	15/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.3 C	VOL. FILTERED:	401 M3
POSITION:	49 21.4 N 123 53.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	75 . 30	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	431 M	TIME OF TOW:	1155 HR	ALIQUOT:	
		DEPTH OF TOW:	394 M	S.H.F.:	9.83

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	56.	4.3	139.7	550.5
MERLUCCIUS PRODUCTUS	1107.	84.3	2760.6	10881.8
THERAGRA CHALCOGRAMMA	149.	11.3	371.6	1464.7
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.1	2.5	9.8
TOTAL	1313.	100.0	3274.3	12906.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	6.	0.5	15.0	59.0
LEUROGLOSSUS STILBIUS	83.	6.7	207.0	815.9
MERLUCCIUS PRODUCTUS	1079.	87.3	2690.8	10606.6
THERAGRA CHALCOGRAMMA	59.	4.8	147.1	580.0
BATHYMASTERIDAE(FAMILY)	1.	0.1	2.5	9.8
GOBIIDAE(FAMILY)	1.	0.1	2.5	9.8
SCORPAENIDAE(FAMILY)	7.	0.6	17.5	68.8
TOTAL	1236.	100.0	3082.3	12149.9

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	50.0	7.5	29.5
LYCODAPUS MANDIBULARIS	3.	50.0	7.5	29.5
TOTAL	6.	100.0	15.0	59.0

TABLE:	100	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	6 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	20	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	15/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.0 C	VOL. FILTERED:	370 M3
POSITION:	49 19.7 N 123 49.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	72 . 30	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	404 M	TIME OF TOW:	1305 HR	ALIQUOT:	
		DEPTH OF TOW:	400 M	S.H.F.:	10.82

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	60.	5.4	162.2	649.2
MERLUCCIUS PRODUCTUS	962.	86.8	2600.0	10408.8
THERAGRA CHALCOGRAMMA	83.	7.5	224.3	898.1
LYOPSETTA EXILIS	3.	0.3	8.1	32.5
TOTAL	1108.	100.0	2994.6	11988.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	14.	1.1	37.8	151.5
LEUROGLOSSUS STILBIUS	54.	4.2	145.9	584.3
GADUS MACROCEPHALUS	1.	0.1	2.7	10.8
MERLUCCIUS PRODUCTUS	1135.	87.8	3067.6	12280.7
THERAGRA CHALCOGRAMMA	74.	5.7	200.0	800.7
SCORPAENIDAE(FAMILY)	12.	0.9	32.4	129.8
INOPSETTA ISCHYRA	1.	0.1	2.7	10.8
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.1	2.7	10.8
TOTAL	1292.	100.0	3491.9	13979.4

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	66.7	5.4	21.6
LYCODAPUS MANDIBULARIS	1.	33.3	2.7	10.8
TOTAL	3.	100.0	8.1	32.5

TABLE:	101	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	21	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	15/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.9 C	VOL. FILTERED:	284 M3
POSITION:	49 18.8 N 123 45.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	69 . 29	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	320 M	TIME OF TOW:	1410 HR	ALIQUOT:	
		DEPTH OF TOW:	310 M	S.H.F.:	10.91

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	42.	2.3	147.9	458.2
MERLUCCIUS PRODUCTUS	1593.	88.8	5609.2	17379.6
THERAGRA CHALCOGRAMMA	156.	8.7	549.3	1702.0
LYOPSETTA EXILIS	2.	0.1	7.0	21.8
TOTAL	1793.	100.0	6313.4	19561.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	19.	1.7	66.9	207.3
LEUROGLOSSUS STILBIUS	77.	6.9	271.1	840.1
MERLUCCIUS PRODUCTUS	920.	82.7	3239.4	10037.2
THERAGRA CHALCOGRAMMA	87.	7.8	306.3	949.2
BATHYMASTERIDAE(FAMILY)	1.	0.1	3.5	10.9
SCORPAENIDAE(FAMILY)	6.	0.5	21.1	65.5
INOPSETTA ISCHYRA	2.	0.2	7.0	21.8
TOTAL	1112.	100.0	3915.5	12131.9

TABLE:	102	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	6 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	22	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	15/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.0 C	VOL. FILTERED:	385 M3
POSITION:	49 15.8 N 123 46.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	68 . 32	BT/XBT NUMBER:	7	PLANKTON CONC.:	
BOTTOM DEPTH:	401 M	TIME OF TOW:	1510 HR	ALIQUOT:	
		DEPTH OF TOW:	390 M	S.H.F.:	10.14

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	51.	2.7	132.5	517.1
MERLUCCIUS PRODUCTUS	1738.	92.4	4514.3	17623.3
THERAGRA CHALCOGRAMMA	90.	4.8	233.8	912.6
MICROSTOMUS PACIFICUS	2.	0.1	5.2	20.3
TOTAL	1881.	100.0	4885.7	19073.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	7.	0.5	18.2	71.0
LEUROGLOSSUS STILBIUS	68.	4.4	176.6	689.5
MERLUCCIUS PRODUCTUS	1431.	92.3	3716.9	14510.3
THERAGRA CHALCOGRAMMA	38.	2.5	98.7	385.3
SCORPAENIDAE(FAMILY)	3.	0.2	7.8	30.4
INOPSETTA ISCHYRA	1.	0.1	2.6	10.1
LYOPSETTA EXILIS	3.	0.2	7.8	30.4
TOTAL	1551.	100.0	4028.6	15727.1

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	2.6	10.1
TOTAL	1.	100.0	2.6	10.1

TABLE:	103	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	10 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	23	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	15/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.0 C	VOL. FILTERED:	360 M3
POSITION:	49 16.6 N 123 50.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	71 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	406 M	TIME OF TOW:	1600 HR	ALIQUOT:	
		DEPTH OF TOW:	364 M	S.H.F.:	10.11

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	52.	5.8	144.4	525.7
MERLUCCIUS PRODUCTUS	756.	84.7	2100.0	7643.2
THERAGRA CHALCOGRAMMA	83.	9.3	230.6	839.1
MICROSTOMUS PACIFICUS	2.	0.2	5.6	20.2
TOTAL	893.	100.0	2480.6	9028.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	10.	0.8	27.8	101.1
LEUROGLOSSUS STILBIUS	94.	7.7	261.1	950.3
MERLUCCIUS PRODUCTUS	1002.	82.6	2783.3	10130.2
THERAGRA CHALCOGRAMMA	91.	7.5	252.8	920.0
SCORPAENIDAE(FAMILY)	14.	1.2	38.9	141.5
LYOPSETTA EXILIS	1.	0.1	2.8	10.1
MICROSTOMUS PACIFICUS	1.	0.1	2.8	10.1
TOTAL	1213.	100.0	3369.4	12263.4

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	2.8	10.1
TOTAL	1.	100.0	2.8	10.1

TABLE:	104	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	10 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	24	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	15/ 4/81	SWELL HEIGHT:	2 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.5 C	VOL. FILTERED:	376 M3
POSITION:	49 18.3 N 123 54.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	74 . 33	BT/XBT NUMBER:	8	PLANKTON CONC.:	
BOTTOM DEPTH:	410 M	TIME OF TOW:	1655 HR	ALIQUOT:	
		DEPTH OF TOW:	400 M	S.H.F.:	10.64

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	58.	6.1	154.3	617.1
MERLUCCIUS PRODUCTUS	778.	81.9	2069.1	8277.9
THERAGRA CHALCOGRAMMA	113.	11.9	300.5	1202.3
MICROSTOMUS PACIFICUS	1.	0.1	2.7	10.6
TOTAL	950.	100.0	2526.6	10108.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	22.	2.5	58.5	234.1
LEUROGLOSSUS STILBIUS	70.	7.8	186.2	744.8
MERLUCCIUS PRODUCTUS	722.	80.9	1920.2	7682.1
MICROGADUS PROXIMUS	1.	0.1	2.7	10.6
THERAGRA CHALCOGRAMMA	66.	7.4	175.5	702.2
SCORPAENIDAE(FAMILY)	11.	1.2	29.3	117.0
MICROSTOMUS PACIFICUS	1.	0.1	2.7	10.6
TOTAL	893.	100.0	2375.0	9501.5

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
NECTOLIPARIS PELAGICUS	1.	100.0	2.7	10.6
TOTAL	1.	100.0	2.7	10.6

TABLE:	105	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	10 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	25	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	15/ 4/81	SWELL HEIGHT:	2 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.5 C	VOL. FILTERED:	361 M3
POSITION:	49 18.6 N 123 58.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	76 . 34	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	408 M	TIME OF TOW:	1750 HR	ALIQUOT:	
		DEPTH OF TOW:	397 M	S.H.F.:	11.00

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	0.2	5.5	22.0
LEUROGLOSSUS STILBIUS	36.	3.8	99.7	396.0
MERLUCCIUS PRODUCTUS	791.	82.5	2191.1	8701.0
THERAGRA CHALCOGRAMMA	129.	13.5	357.3	1419.0
LYOPSETTA EXILIS	1.	0.1	2.8	11.0
TOTAL	959.	100.0	2656.5	10549.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	16.	1.2	44.3	176.0
LEUROGLOSSUS STILBIUS	73.	5.5	202.2	803.0
MERLUCCIUS PRODUCTUS	1112.	84.0	3080.3	12232.0
THERAGRA CHALCOGRAMMA	108.	8.2	299.2	1188.0
SCORPAENIDAE(FAMILY)	11.	0.8	30.5	121.0
INOPSETTA ISCHYRA	3.	0.2	8.3	33.0
LYOPSETTA EXILIS	1.	0.1	2.8	11.0
TOTAL	1324.	100.0	3667.6	14564.0

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	2.8	11.0
TOTAL	1.	100.0	2.8	11.0

TABLE:	106	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	26	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	15/ 4/81	SWELL HEIGHT:	2 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.0 C	VOL. FILTERED:	316 M3
POSITION:	49 15.8 N 123 57.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	74 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	306 M	TIME OF TOW:	1845 HR	ALIQUOT:	
		DEPTH OF TOW:	300 M	S.H.F.:	9.48

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.0	3.2	9.5
LEUROGLOSSUS STILBIUS	57.	2.6	180.4	540.4
MERLUCCIUS PRODUCTUS	2070.	93.1	6550.6	19623.6
THERAGRA CHALCOGRAMMA	93.	4.2	294.3	881.6
LYOPSETTA EXILIS	3.	0.1	9.5	28.4
TOTAL	2224.	100.0	7038.0	21083.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	2.	0.1	6.3	19.0
LEUROGLOSSUS STILBIUS	141.	10.2	446.2	1336.7
MERLUCCIUS PRODUCTUS	1164.	84.5	3683.5	11034.7
THERAGRA CHALCOGRAMMA	65.	4.7	205.7	616.2
SCORPAENIDAE(FAMILY)	5.	0.4	15.8	47.4
MICROSTOMUS PACIFICUS	1.	0.1	3.2	9.5
TOTAL	1378.	100.0	4360.8	13063.4

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LYCODAPUS MANDIBULARIS	1.	100.0	3.2	9.5
TOTAL	1.	100.0	3.2	9.5

TABLE: 107
CRUISE: SG 81- 7
SAMPLE NO.: 27
DATE: 17/ 4/81
VESSEL: CALIGUS
POSITION: 49 14.2 N 123 53.5 W
GRID POSITION: 71 . 36
BOTTOM DEPTH: 188 M

WIND DIRECTION: 315 DEG
WIND VELOCITY: 5 MPS
WAVE HEIGHT:
SWELL HEIGHT: 0 M
SURFACE TEMP: 8.8 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 0550 HR
DEPTH OF TOW: 175 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 188 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 9.33

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	8.	0.8	42.6	74.6
MERLUCCIUS PRODUCTUS	959.	93.1	5101.1	8947.5
THERAGRA CHALCOGRAMMA	53.	5.1	281.9	494.5
LYOPSETTA EXILIS	9.	0.9	47.9	84.0
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.1	5.3	9.3
TOTAL	1030.	100.0	5478.7	9609.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	10.	2.4	53.2	93.3
LEUROGLOSSUS STILBIUS	52.	12.6	276.6	485.2
MERLUCCIUS PRODUCTUS	267.	64.8	1420.2	2491.1
THERAGRA CHALCOGRAMMA	64.	15.5	340.4	597.1
SCORPAENIDAE(FAMILY)	14.	3.4	74.5	130.6
LYOPSETTA EXILIS	4.	1.0	21.3	37.3
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.2	5.3	9.3
TOTAL	412.	100.0	2191.5	3844.0

TABLE:	108	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	28	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.3 C	VOL. FILTERED:	189 M3
POSITION:	49 13.3 N 123 48.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	68 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	194 M	TIME OF TOW:	0628 HR	ALIQUOT:	
		DEPTH OF TOW:	176 M	S.H.F.:	9.33

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	6.	1.2	31.7	56.0
MERLUCCIUS PRODUCTUS	464.	95.1	2455.0	4329.1
THERAGRA CHALCOGRAMMA	13.	2.7	68.8	121.3
LYOPSETTA EXILIS	5.	1.0	26.5	46.7
TOTAL	488.	100.0	2582.0	4553.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	8.	2.6	42.3	74.6
LEUROGLOSSUS STILBIUS	40.	13.1	211.6	373.2
MERLUCCIUS PRODUCTUS	171.	56.1	904.8	1595.4
THERAGRA CHALCOGRAMMA	77.	25.2	407.4	718.4
SCORPAENIDAE(FAMILY)	3.	1.0	15.9	28.0
INOPSETTA ISCHYRA	2.	0.7	10.6	18.7
LYOPSETTA EXILIS	3.	1.0	15.9	28.0
MICROSTOMUS PACIFICUS	1.	0.3	5.3	9.3
TOTAL	305.	100.0	1613.8	2845.6

TABLE:	109	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	29	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.2 C	VOL. FILTERED:	343 M3
POSITION:	49 13.3 N 123 43.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	65 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	392 M	TIME OF TOW:	0705 HR	ALIQUOT:	
		DEPTH OF TOW:	351 M	S.H.F.:	10.23

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	59.	4.0	172.0	603.6
MERLUCCIUS PRODUCTUS	1349.	91.9	3932.9	13800.3
THERAGRA CHALCOGRAMMA	57.	3.9	166.2	583.1
LYOPSETTA EXILIS	3.	0.2	8.7	30.7
TOTAL	1468.	100.0	4279.9	15017.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	21.	1.2	61.2	214.8
LEUROGLOSSUS STILBIUS	286.	15.8	833.8	2925.8
MERLUCCIUS PRODUCTUS	1389.	76.9	4049.6	14209.5
MICROGADUS PROXIMUS	1.	0.1	2.9	10.2
THERAGRA CHALCOGRAMMA	82.	4.5	239.1	838.9
RONQUILUS JORDANI	1.	0.1	2.9	10.2
SCORPAENIDAE(FAMILY)	25.	1.4	72.9	255.7
LYOPSETTA EXILIS	1.	0.1	2.9	10.2
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.1	2.9	10.2
TOTAL	1807.	100.0	5268.2	18485.6

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	75.0	8.7	30.7
NECTOLIPARIS PELAGICUS	1.	25.0	2.9	10.2
TOTAL	4.	100.0	11.7	40.9

TABLE:	110	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	30	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.1 C	VOL. FILTERED:	156 M3
POSITION:	49 10.0 N 123 41.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	62 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	139 M	TIME OF TOW:	0755 HR	ALIQUOT:	
		DEPTH OF TOW:	130 M	S.H.F.:	8.34

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	10.	45.5	64.1	83.4
THERAGRA CHALCOGRAMMA	9.	40.9	57.7	75.1
LYOPSETTA EXILIS	2.	9.1	12.8	16.7
MICROSTOMUS PACIFICUS	1.	4.5	6.4	8.3
TOTAL	22.	100.0	141.0	183.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	67.	15.1	429.5	558.8
LEUROGLOSSUS STILBIUS	23.	5.2	147.4	191.8
MERLUCCIUS PRODUCTUS	215.	48.5	1378.2	1793.1
THERAGRA CHALCOGRAMMA	89.	20.1	570.5	742.3
SCORPAENIDAE(FAMILY)	41.	9.3	262.8	341.9
LYOPSETTA EXILIS	3.	0.7	19.2	25.0
MICROSTOMUS PACIFICUS	1.	0.2	6.4	8.3
PSETTICHTHYS MELANOSTICTUS	4.	0.9	25.6	33.4
TOTAL	443.	100.0	2839.7	3694.6

TABLE:	111	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	10 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	31	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.3 C	VOL. FILTERED:	141 M3
POSITION:	49 7.7 N 123 36.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	58 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	153 M	TIME OF TOW:	0845 HR	ALIQUOT:	
		DEPTH OF TOW:	140 M	S.H.F.:	9.97

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	28.	60.9	198.6	279.2
THERAGRA CHALCOGRAMMA	17.	37.0	120.6	169.5
LYOPSETTA EXILIS	1.	2.2	7.1	10.0
TOTAL	46.	100.0	326.2	458.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	4.	1.5	28.4	39.9
LEUROGLOSSUS STILBIUS	18.	6.8	127.7	179.5
MERLUCCIUS PRODUCTUS	213.	81.0	1510.6	2123.6
THERAGRA CHALCOGRAMMA	23.	8.7	163.1	229.3
SCORPAENIDAE(FAMILY)	4.	1.5	28.4	39.9
LYOPSETTA EXILIS	1.	0.4	7.1	10.0
TOTAL	263.	100.0	1865.2	2622.1

TABLE:	112	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	32	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.2 C	VOL. FILTERED:	308 M3
POSITION:	49 8.5 N 123 29.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	55 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	337 M	TIME OF TOW:	0935 HR	ALIQUOT:	
		DEPTH OF TOW:	327 M	S.H.F.:	10.60

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	45.	3.2	146.1	477.0
MERLUCCIUS PRODUCTUS	1100.	78.8	3571.4	11660.0
THERAGRA CHALCOGRAMMA	248.	17.8	805.2	2628.8
LYOPSETTA EXILIS	2.	0.1	6.5	21.2
MICROSTOMUS PACIFICUS	1.	0.1	3.2	10.6
TOTAL	1396.	100.0	4532.5	14797.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	74.	4.1	240.3	784.4
MERLUCCIUS PRODUCTUS	1626.	91.1	5279.2	17235.6
THERAGRA CHALCOGRAMMA	69.	3.9	224.0	731.4
LYCONECTES ALEUTENSIS	1.	0.1	3.2	10.6
SCORPAENIDAE(FAMILY)	10.	0.6	32.5	106.0
INOPSETTA ISCHYRA	1.	0.1	3.2	10.6
LYOPSETTA EXILIS	3.	0.2	9.7	31.8
MICROSTOMUS PACIFICUS	1.	0.1	3.2	10.6
TOTAL	1785.	100.0	5795.5	18921.0

TABLE:	113	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	33	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.5 C	VOL. FILTERED:	289 M3
POSITION:	49 11.6 N 123 34.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	59 . 31	BT/XBT NUMBER:	9	PLANKTON CONC.:	
BOTTOM DEPTH:	344 M	TIME OF TOW:	1030 HR	ALIQUOT:	
		DEPTH OF TOW:	338 M	S.H.F.:	11.70

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.1	3.5	11.7
LEUROGLOSSUS STILBIUS	35.	4.0	121.1	409.5
MERLUCCIUS PRODUCTUS	695.	79.7	2404.8	8131.5
THERAGRA CHALCOGRAMMA	132.	15.1	456.7	1544.4
LYOPSETTA EXILIS	4.	0.5	13.8	46.8
MICROSTOMUS PACIFICUS	4.	0.5	13.8	46.8
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.1	3.5	11.7
TOTAL	872.	100.0	3017.3	10202.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	15.	1.0	51.9	175.5
LEUROGLOSSUS STILBIUS	67.	4.6	231.8	783.9
MERLUCCIUS PRODUCTUS	1228.	85.0	4249.1	14367.6
THERAGRA CHALCOGRAMMA	91.	6.3	314.9	1064.7
SCORPAENIDAE(FAMILY)	41.	2.8	141.9	479.7
INOPSETTA ISOLEPIS	1.	0.1	3.5	11.7
LYOPSETTA EXILIS	1.	0.1	3.5	11.7
TOTAL	1444.	100.0	4996.5	16894.8

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.5	11.7
TOTAL	1.	100.0	3.5	11.7

TABLE:	114	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	34	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.4 C	VOL. FILTERED:	322 M3
POSITION:	49 13.3 N 123 37.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	62 . 31	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	375 M	TIME OF TOW:	1112 HR	ALIQUOT:	
		DEPTH OF TOW:	341 M	S.H.F.:	10.59

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	50.	3.9	155.3	529.5
MERLUCCIUS PRODUCTUS	1103.	85.2	3425.5	11680.8
THERAGRA CHALCOGRAMMA	139.	10.7	431.7	1472.0
LYOPSETTA EXILIS	1.	0.1	3.1	10.6
MICROSTOMUS PACIFICUS	2.	0.2	6.2	21.2
TOTAL	1295.	100.0	4021.7	13714.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	2.	0.1	6.2	21.2
LEUROGLOSSUS STILBIUS	74.	5.0	229.8	783.7
MERLUCCIUS PRODUCTUS	1332.	90.8	4136.6	14105.9
THERAGRA CHALCOGRAMMA	44.	3.0	136.6	466.0
SCORPAENIDAE(FAMILY)	15.	1.0	46.6	158.9
TOTAL	1467.	100.0	4555.9	15535.5

TABLE:	115	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	35	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.9 C	VOL. FILTERED:	311 M3
POSITION:	49 15.8 N 123 40.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	65 . 30	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	368 M	TIME OF TOW:	1205 HR	ALIQUOT:	
		DEPTH OF TOW:	350 M	S.H.F.:	11.26

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.0	3.2	11.3
LEUROGLOSSUS STILBIUS	62.	2.9	199.4	698.1
MERLUCCIUS PRODUCTUS	1758.	81.1	5652.7	19795.1
THERAGRA CHALCOGRAMMA	348.	16.0	1119.0	3918.5
TOTAL	2169.	100.0	6974.3	24422.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	3.	0.2	9.6	33.8
LEUROGLOSSUS STILBIUS	90.	5.3	289.4	1013.4
MERLUCCIUS PRODUCTUS	1561.	91.6	5019.3	17576.9
THERAGRA CHALCOGRAMMA	41.	2.4	131.8	461.7
SCORPAENIDAE(FAMILY)	8.	0.5	25.7	90.1
LYOPSETTA EXILIS	1.	0.1	3.2	11.3
TOTAL	1704.	100.0	5479.1	19187.0

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	50.0	6.4	22.5
LYCODAPUS MANDIBULARIS	1.	25.0	3.2	11.3
NECTOLIPARIS PELAGICUS	1.	25.0	3.2	11.3
TOTAL	4.	100.0	12.9	45.0

TABLE:	116	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	6 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	36	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.0 C	VOL. FILTERED:	252 M3
POSITION:	49 16.3 N 123 36.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	63 . 28	BT/XBT NUMBER:	10	PLANKTON CONC.:	
BOTTOM DEPTH:	270 M	TIME OF TOW:	1305 HR	ALIQUOT:	
		DEPTH OF TOW:	260 M	S.H.F.:	10.33

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	67.	3.4	265.9	692.1
MERLUCCIUS PRODUCTUS	1736.	87.4	6888.9	17932.9
THERAGRA CHALCOGRAMMA	179.	9.0	710.3	1849.1
LYOPSETTA EXILIS	4.	0.2	15.9	41.3
TOTAL	1986.	100.0	7881.0	20515.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	7.	0.6	27.8	72.3
LEUROGLOSSUS STILBIUS	58.	4.9	230.2	599.1
MERLUCCIUS PRODUCTUS	1045.	88.6	4146.8	10794.8
THERAGRA CHALCOGRAMMA	48.	4.1	190.5	495.8
AMMODYTES HEXAPTERUS	2.	0.2	7.9	20.7
SCORPAENIDAE(FAMILY)	17.	1.4	67.5	175.6
INOPSETTA ISCHYRA	2.	0.2	7.9	20.7
MICROSTOMUS PACIFICUS	1.	0.1	4.0	10.3
TOTAL	1180.	100.0	4682.5	12189.4

TABLE:	117	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	6 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	37	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.1 C	VOL. FILTERED:	333 M3
POSITION:	49 14.2 N 123 33.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	60 . 28	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	351 M	TIME OF TOW:	1340 HR	ALIQUOT:	
		DEPTH OF TOW:	322 M	S.H.F.:	9.67

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.0	3.0	9.7
LEUROGLOSSUS STILBIUS	70.	3.4	210.2	676.9
MERLUCCIUS PRODUCTUS	1716.	84.6	5153.2	16593.7
THERAGRA CHALCOGRAMMA	238.	11.7	714.7	2301.5
LYOPSETTA EXILIS	3.	0.1	9.0	29.0
MICROSTOMUS PACIFICUS	1.	0.0	3.0	9.7
TOTAL	2029.	100.0	6093.1	19620.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	10.	0.6	30.0	96.7
LEUROGLOSSUS STILBIUS	87.	5.1	261.3	841.3
MERLUCCIUS PRODUCTUS	1509.	89.2	4531.5	14592.0
THERAGRA CHALCOGRAMMA	44.	2.6	132.1	425.5
RONQUILUS JORDANI	1.	0.1	3.0	9.7
SCORPAENIDAE(FAMILY)	36.	2.1	108.1	348.1
INOPSETTA ISCHYRA	3.	0.2	9.0	29.0
LYOPSETTA EXILIS	1.	0.1	3.0	9.7
TOTAL	1691.	100.0	5078.1	16352.0

TABLE: 118
CRUISE: SG 81- 7
SAMPLE NO.: 38
DATE: 17/ 4/81
VESSEL: CALIGUS
POSITION: 49 11.6 N 123 28.5 W
GRID POSITION: 56 . 29
BOTTOM DEPTH: 310 M

WIND DIRECTION: 315 DEG
WIND VELOCITY: 6 MPS
WAVE HEIGHT:
SWELL HEIGHT:
SURFACE TEMP: 10.2 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 1440 HR
DEPTH OF TOW: 288 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 285 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 10.10

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	43.	3.5	150.9	434.3
MERLUCCIUS PRODUCTUS	914.	73.8	3207.0	9231.4
THERAGRA CHALCOGRAMMA	274.	22.1	961.4	2767.4
LYOPSETTA EXILIS	5.	0.4	17.5	50.5
MICROSTOMUS PACIFICUS	3.	0.2	10.5	30.3
TOTAL	1239.	100.0	4347.4	12513.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	10.	0.6	35.1	101.0
LEUROGLOSSUS STILBIUS	59.	3.7	207.0	595.9
MERLUCCIUS PRODUCTUS	1429.	90.3	5014.0	14432.9
THERAGRA CHALCOGRAMMA	66.	4.2	231.6	666.6
SCORPAENIDAE(FAMILY)	13.	0.8	45.6	131.3
COTTIDAE(FAMILY)	1.	0.1	3.5	10.1
CYCLOPTERIDAE(FAMILY)	1.	0.1	3.5	10.1
INOPSETTA ISCHYRA	2.	0.1	7.0	20.2
LYOPSETTA EXILIS	2.	0.1	7.0	20.2
TOTAL	1583.	100.0	5554.4	15988.3

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.5	10.1
TOTAL	1.	100.0	3.5	10.1

TABLE:	119	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	6 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	39	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.9 C	VOL. FILTERED:	275 M3
POSITION:	49 14.6 N 123 27.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	57 . 26	BT/XBT NUMBER:	11	PLANKTON CONC.:	
BOTTOM DEPTH:	287 M	TIME OF TOW:	1520 HR	ALIQUOT:	
		DEPTH OF TOW:	265 M	S.H.F.:	9.63

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	95.	6.0	345.5	914.9
MERLUCCIUS PRODUCTUS	1300.	81.7	4727.3	12519.0
THERAGRA CHALCOGRAMMA	193.	12.1	701.8	1858.6
LYOPSETTA EXILIS	2.	0.1	7.3	19.3
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.1	3.6	9.6
TOTAL	1591.	100.0	5785.5	15321.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	21.	1.6	76.4	202.2
LEUROGLOSSUS STILBIUS	41.	3.2	149.1	394.8
MERLUCCIUS PRODUCTUS	1067.	82.3	3880.0	10275.2
THERAGRA CHALCOGRAMMA	141.	10.9	512.7	1357.8
RONQUILUS JORDANI	3.	0.2	10.9	28.9
SCORPAENIDAE(FAMILY)	22.	1.7	80.0	211.9
INOPSETTA ISCHYRA	1.	0.1	3.6	9 6
TOTAL	1296.	100.0	4712.7	12480.5

TABLE:	120	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	40	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.5 C	VOL. FILTERED:	174 M3
POSITION:	49 17.7 N 123 31.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	61 . 25	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	195 M	TIME OF TOW:	1615 HR	ALIQUOT:	
		DEPTH OF TOW:	179 M	S.H.F.:	10.29

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	36.	6.1	206.9	370.4
MERLUCCIUS PRODUCTUS	438.	74.7	2517.2	4507.0
THERAGRA CHALCOGRAMMA	108.	18.4	620.7	1111.3
LYOPSETTA EXILIS	4.	0.7	23.0	41.2
TOTAL	586.	100.0	3367.8	6029.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	5.	0.9	28.7	51.5
LEUROGLOSSUS STILBIUS	14.	2.6	80.5	144.1
MERLUCCIUS PRODUCTUS	437.	80.0	2511.5	4496.7
THERAGRA CHALCOGRAMMA	86.	15.8	494.3	884.9
SCORPAENIDAE(FAMILY)	4.	0.7	23.0	41.2
TOTAL	546.	100.0	3137.9	5618.3

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CYCLOTHONE MICRODON	1.	100.0	5.7	10.3
TOTAL	1.	100.0	5.7	10.3

TABLE:	121	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	41	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.5 C	VOL. FILTERED:	175 M3
POSITION:	49 19.4 N 123 35.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	64 . 25	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	177 M	TIME OF TOW:	1655 HR	ALIQUOT:	
		DEPTH OF TOW:	166 M	S.H.F.:	9.52

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	12.	5.3	68.6	114.2
MERLUCCIUS PRODUCTUS	182.	80.9	1040.0	1732.6
THERAGRA CHALCOGRAMMA	25.	11.1	142.9	238.0
LYOPSETTA EXILIS	5.	2.2	28.6	47.6
MICROSTOMUS PACIFICUS	1.	0.4	5.7	9.5
TOTAL	225.	100.0	1285.7	2142.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	3.	0.7	17.1	28.6
LEUROGLOSSUS STILBIUS	30.	7.0	171.4	285.6
MERLUCCIUS PRODUCTUS	351.	81.6	2005.7	3341.5
THERAGRA CHALCOGRAMMA	39.	9.1	222.9	371.3
SCORPAENIDAE(FAMILY)	5.	1.2	28.6	47.6
INOPSETTA ISCHYRA	1.	0.2	5.7	9.5
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.2	5.7	9.5
TOTAL	430.	100.0	2457.1	4093.6

TABLE:	122	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	42	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.5 C	VOL. FILTERED:	189 M3
POSITION:	49 20.7 N 123 30.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	62 . 22	BT/XBT NUMBER:	12	PLANKTON CONC.:	
BOTTOM DEPTH:	197 M	TIME OF TOW:	1735 HR	ALIQUOT:	
		DEPTH OF TOW:	187 M	S.H.F.:	9.91

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES				
LEUROGLOSSUS STILBIUS	5.	2.1	26.5	49.5
MERLUCCIUS PRODUCTUS	16.	6.6	84.7	158.6
THERAGRA CHALCOGRAMMA	173.	71.2	915.3	1714.4
LYOPSETTA EXILIS	46.	18.9	243.4	455.9
	3.	1.2	15.9	29.7
TOTAL	243.	100.0	1285.7	2408.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	4.	0.8	21.2	39.6
LEUROGLOSSUS STILBIUS	45.	8.9	238.1	445.9
MERLUCCIUS PRODUCTUS	354.	70.0	1873.0	3508.1
THERAGRA CHALCOGRAMMA	92.	18.2	486.8	911.7
SCORPAENIDAE(FAMILY)	7.	1.4	37.0	69.4
INOPSETTA ISCHYRA	4.	0.8	21.2	39.6
TOTAL	506.	100.0	2677.2	5014.5

TABLE:	123	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	43	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.5 C	VOL. FILTERED:	139 M3
POSITION:	49 18.2 N 123 27.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	59 . 23	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	142 M	TIME OF TOW:	1825 HR	ALIQUOT:	
		DEPTH OF TOW:	131 M	S.H.F.:	9.41

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	2.5	21.6	28.2
MERLUCCIUS PRODUCTUS	60.	49.2	431.7	564.6
THERAGRA CHALCOGRAMMA	56.	45.9	402.9	527.0
LYOPSETTA EXILIS	3.	2.5	21.6	28.2
TOTAL	122.	100.0	877.7	1148.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	16.	4.5	115.1	150.6
LEUROGLOSSUS STILBIUS	29.	8.2	208.6	272.9
MERLUCCIUS PRODUCTUS	183.	51.8	1316.5	1722.0
THERAGRA CHALCOGRAMMA	112.	31.7	805.8	1053.9
SCORPAENIDAE(FAMILY)	12.	3.4	86.3	112.9
LYOPSETTA EXILIS	1.	0.3	7.2	9.4
TOTAL	353.	100.0	2539.6	3321.7

TABLE:	124	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	44	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.4 C	VOL. FILTERED:	219 M3
POSITION:	49 16.5 N 123 23.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	56 . 23	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	246 M	TIME OF TOW:	1855 HR	ALIQUOT:	
		DEPTH OF TOW:	236 M	S.H.F.:	10.80

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	5.	0.6	22.8	54.0
LEUROGLOSSUS STILBIUS	37.	4.4	168.9	399.6
MERLUCCIUS PRODUCTUS	576.	68.1	2630.1	6220.8
THERAGRA CHALCOGRAMMA	224.	26.5	1022.8	2419.2
LYOPSETTA EXILIS	4.	0.5	18.3	43.2
TOTAL	846.	100.0	3863.0	9136.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	11.	1.0	50.2	118.8
LEUROGLOSSUS STILBIUS	35.	3.2	159.8	378.0
MERLUCCIUS PRODUCTUS	889.	81.0	4059.4	9601.2
THERAGRA CHALCOGRAMMA	149.	13.6	680.4	1609.2
SCORPAENIDAE(FAMILY)	11.	1.0	50.2	118.8
LYOPSETTA EXILIS	3.	0.3	13.7	32.4
TOTAL	1098.	100.0	5013.7	11858.4

TABLE:	125	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	45	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.0 C	VOL. FILTERED:	201 M3
POSITION:	49 19.0 N 123 20.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	56 . 20	BT/XBT NUMBER:	13	PLANKTON CONC.:	
BOTTOM DEPTH:	217 M	TIME OF TOW:	1937 HR	ALIQUOT:	
		DEPTH OF TOW:	203 M	S.H.F.:	10.10

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	18.	4.1	89.6	181.8
LEUROGLOSSUS STILBIUS	13.	2.9	64.7	131.3
MERLUCCIUS PRODUCTUS	249.	56.2	1238.8	2514.9
THERAGRA CHALCOGRAMMA	156.	35.2	776.1	1575.6
LYOPSETTA EXILIS	5.	1.1	24.9	50.5
MICROSTOMUS PACIFICUS	1.	0.2	5.0	10.1
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.2	5.0	10.1
TOTAL	443.	100.0	2204.0	4474.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	30.	4.6	149.3	303.0
LEUROGLOSSUS STILBIUS	38.	5.8	189.1	383.8
MERLUCCIUS PRODUCTUS	395.	60.8	1965.2	3989.5
THERAGRA CHALCOGRAMMA	157.	24.2	781.1	1585.7
SCORPAENIDAE(FAMILY)	21.	3.2	104.5	212.1
INOPSETTA ISCHYRA	7.	1.1	34.8	70.7
LYOPSETTA EXILIS	2.	0.3	10.0	20.2
TOTAL	650.	100.0	3233.8	6565.0

TABLE:	126	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	46	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.0 C	VOL. FILTERED:	190 M3
POSITION:	49 14.9 N 123 19.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	53 . 23	BT/XBT NUMBER:	14	PLANKTON CONC.:	
BOTTOM DEPTH:	198 M	TIME OF TOW:	0710 HR	ALIQUOT:	
		DEPTH OF TOW:	192 M	S.H.F.:	10.11

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	10.	1.9	52.6	101.1
LEUROGLOSSUS STILBIUS	7.	1.3	36.8	70.8
MERLUCCIUS PRODUCTUS	304.	56.8	1600.0	3073.4
THERAGRA CHALCOGRAMMA	210.	39.3	1105.3	2123.1
LYOPSETTA EXILIS	4.	0.7	21.1	40.4
TOTAL	535.	100.0	2815.8	5408.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	34.	8.4	178.9	343.7
LEUROGLOSSUS STILBIUS	14.	3.5	73.7	141.5
MERLUCCIUS PRODUCTUS	252.	62.5	1326.3	2547.7
THERAGRA CHALCOGRAMMA	95.	23.6	500.0	960.4
SCORPAENIDAE(FAMILY)	3.	0.7	15.8	30.3
INOPSETTA ISCHYRA	4.	1.0	21.1	40.4
LYOPSETTA EXILIS	1.	0.2	5.3	10.1
TOTAL	403.	100.0	2121.1	4074.3

TABLE:	127	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	47	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.3 C	VOL. FILTERED:	251 M3
POSITION:	49 12.9 N 123 23.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	54 . 26	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	279 M	TIME OF TOW:	0755 HR	ALIQUOT:	
		DEPTH OF TOW:	260 M	S.H.F.:	10.36

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	42.	2.3	167.3	435.1
MERLUCCIUS PRODUCTUS	1533.	82.3	6107.6	15881.9
THERAGRA CHALCOGRAMMA	283.	15.2	1127.5	2931.9
LYOPSETTA EXILIS	5.	0.3	19.9	51.8
TOTAL	1863.	100.0	7422.3	19300.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	50.	5.2	199.2	518.0
MERLUCCIUS PRODUCTUS	856.	89.4	3410.4	8868.2
THERAGRA CHALCOGRAMMA	45.	4.7	179.3	466.2
SCORPAENIDAE(FAMILY)	4.	0.4	15.9	41.4
INOPSETTA ISCHYRA	1.	0.1	4.0	10.4
LYOPSETTA EXILIS	2.	0.2	8.0	20.7
TOTAL	958.	100.0	3816.7	9924.9

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	4.0	10.4
TOTAL	1.	100.0	4.0	10.4

TABLE:	128	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	48	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.5 C	VOL. FILTERED:	139 M3
POSITION:	49 11.3 N 123 19.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	51 . 26	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	160 M	TIME OF TOW:	0845 HR	ALIQUOT:	
		DEPTH OF TOW:	157 M	S.H.F.:	11.30

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	16.	9.0	115.1	180.8
THERAGRA CHALCOGRAMMA	159.	89.3	1143.9	1796.7
LYOPSETTA EXILIS	2.	1.1	14.4	22.6
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.6	7.2	11.3
TOTAL	178.	100.0	1280.6	2011.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	3.	1.8	21.6	33.9
LEUROGLOSSUS STILBIUS	8.	4.9	57.6	90.4
MERLUCCIUS PRODUCTUS	76.	46.3	546.8	858.8
THERAGRA CHALCOGRAMMA	73.	44.5	525.2	824.9
SCORPAENIDAE(FAMILY)	3.	1.8	21.6	33.9
INOPSETTA ISCHYRA	1.	0.6	7.2	11.3
TOTAL	164.	100.0	1179.9	1853.2

TABLE:	129	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	7 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	49	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.0 C	VOL. FILTERED:	195 M3
POSITION:	49 9.9 N 123 24.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	53 . 29	BT/XBT NUMBER:	15	PLANKTON CONC.:	
BOTTOM DEPTH:	202 M	TIME OF TOW:	0925 HR	ALIQUOT:	
		DEPTH OF TOW:	192 M	S.H.F.:	9.85

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	0.7	15.4	29.6
MERLUCCIUS PRODUCTUS	336.	78.0	1723.1	3309.6
THERAGRA CHALCOGRAMMA	92.	21.3	471.8	906.2
TOTAL	431.	100.0	2210.3	4245.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	29.	8.0	148.7	285.7
LEUROGLOSSUS STILBIUS	40.	11.0	205.1	394.0
MERLUCCIUS PRODUCTUS	228.	62.8	1169.2	2245.8
THERAGRA CHALCOGRAMMA	54.	14.9	276.9	531.9
AMMODYTES HEXAPTERUS	1.	0.3	5.1	9.9
SCORPAENIDAE(FAMILY)	9.	2.5	46.2	88.7
CYCLOPTERIDAE(FAMILY)	1.	0.3	5.1	9.9
LYOPSETTA EXILIS	1.	0.3	5.1	9.9
TOTAL	363.	100.0	1861.5	3575.6

TABLE:	130	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	50	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.0 C	VOL. FILTERED:	126 M3
POSITION:	49 7.7 N 123 19.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	49 . 29	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	146 M	TIME OF TOW:	1015 HR	ALIQUOT:	
		DEPTH OF TOW:	138 M	S.H.F.:	11.00

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	0.8	7.9	11.0
MERLUCCIUS PRODUCTUS	39.	32.2	309.5	429.0
THERAGRA CHALCOGRAMMA	80.	66.1	634.9	880.0
LYOPSETTA EXILIS	1.	0.8	7.9	11.0
TOTAL	121.	100.0	960.3	1331.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	3.	1.8	23.8	33.0
LEUROGLOSSUS STILBIUS	32.	19.2	254.0	352.0
MERLUCCIUS PRODUCTUS	68.	40.7	539.7	748.0
THERAGRA CHALCOGRAMMA	55.	32.9	436.5	605.0
RONQUILUS JORDANI	1.	0.6	7.9	11.0
SCORPAENIDAE(FAMILY)	4.	2.4	31.7	44.0
INOPSETTA ISCHYRA	2.	1.2	15.9	22.0
INOPSETTA ISOLEPIS	1.	0.6	7.9	11.0
LYOPSETTA EXILIS	1.	0.6	7.9	11.0
TOTAL	167.	100.0	1325.4	1837.0

TABLE:	131	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	51	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.0 C	VOL. FILTERED:	210 M3
POSITION:	49 6.3 N 123 24.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	51 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	249 M	TIME OF TOW:	1050 HR	ALIQUOT:	
		DEPTH OF TOW:	221 M	S.H.F.:	10.54

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	0.4	4.8	10.5
MERLUCCIUS PRODUCTUS	249.	89.6	1185.7	2624.5
THERAGRA CHALCOGRAMMA	25.	9.0	119.0	263.5
LYOPSETTA EXILIS	3.	1.1	14.3	31.6
TOTAL	278.	100.0	1323.8	2930.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	53.	13.7	252.4	558.6
OSMERIDAE(FAMILY)	1.	0.3	4.8	10.5
LEUROGLOSSUS STILBIUS	56.	14.5	266.7	590.2
MERLUCCIUS PRODUCTUS	187.	48.4	890.5	1971.0
THERAGRA CHALCOGRAMMA	75.	19.4	357.1	790.5
BATHYMASTERIDAE(FAMILY)	3.	0.8	14.3	31.6
SCORPAENIDAE(FAMILY)	9.	2.3	42.9	94.9
LYOPSETTA EXILIS	2.	0.5	9.5	21.1
TOTAL	386.	100.0	1838.1	4068.4

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
STENOBRACHIUS LEUCOPSARUS	1.	100.0	4.8	10.5
TOTAL	1.	100.0	4.8	10.5

TABLE:	132	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	52	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.0 C	VOL. FILTERED:	182 M3
POSITION:	49 3.8 N 123 21.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	48 . 33	BT/XBT NUMBER:	16	PLANKTON CONC.:	
BOTTOM DEPTH:	221 M	TIME OF TOW:	1135 HR	ALIQUOT:	
		DEPTH OF TOW:	208 M	S.H.F.:	11.45

EGGS

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	27.	19.7	148.4	309.1
THERAGRA CHALCOGRAMMA	107.	78.1	587.9	1225.2
LYOPSETTA EXILIS	2.	1.5	11.0	22.9
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.7	5.5	11.4
TOTAL	137.	100.0	752.7	1568.7

LARVAE

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	7.	3.0	38.5	80.2
LEUROGLOSSUS STILBIUS	7.	3.0	38.5	80.2
MERLUCCIUS PRODUCTUS	152.	64.1	835.2	1740.4
THERAGRA CHALCOGRAMMA	61.	25.7	335.2	698.5
BATHYMASTERIDAE(FAMILY)	1.	0.4	5.5	11.4
AMMODYTES HEXAPTERUS	1.	0.4	5.5	11.4
SCORPAENIDAE(FAMILY)	5.	2.1	27.5	57.3
INOPSETTA ISCHYRA	1.	0.4	5.5	11.4
LYOPSETTA EXILIS	1.	0.4	5.5	11.4
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.4	5.5	11.4
TOTAL	237.	100.0	1302.2	2713.6

TABLE:	133	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	53	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.2 C	VOL. FILTERED:	262 M3
POSITION:	49 3.3 N 123 26.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	50 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	307 M	TIME OF TOW:	1215 HR	ALIQUOT:	
		DEPTH OF TOW:	292 M	S.H.F.:	11.15

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	16.	2.3	61.1	178.4
MERLUCCIUS PRODUCTUS	562.	82.3	2145.0	6266.3
THERAGRA CHALCOGRAMMA	104.	15.2	396.9	1159.6
LYOPSETTA EXILIS	1.	0.1	3.8	11.1
TOTAL	683.	100.0	2606.9	7615.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	16.	1.3	61.1	178.4
LEUROGLOSSUS STILBIUS	202.	16.3	771.0	2252.3
MERLUCCIUS PRODUCTUS	931.	75.3	3553.4	10380.6
THERAGRA CHALCOGRAMMA	82.	6.6	313.0	914.3
BATHYMASTERIDAE(FAMILY)	1.	0.1	3.8	11.1
SCORPAENIDAE(FAMILY)	4.	0.3	15.3	44.6
LYOPSETTA EXILIS	1.	0.1	3.8	11.1
TOTAL	1237.	100.0	4721.4	13792.5

TABLE:	134	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	54	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.5 C	VOL. FILTERED:	272 M3
POSITION:	49 4.9 N 123 29.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	53 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	312 M	TIME OF TOW:	1255 HR	ALIQUOT:	
		DEPTH OF TOW:	294 M	S.H.F.:	10.81

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	34.	4.2	125.0	367.5
MERLUCCIUS PRODUCTUS	660.	80.6	2426.5	7134.6
THERAGRA CHALCOGRAMMA	122.	14.9	448.5	1318.8
LYOPSETTA EXILIS	2.	0.2	7.4	21.6
MICROSTOMUS PACIFICUS	1.	0.1	3.7	10.8
TOTAL	819.	100.0	3011.0	8853.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	110.	8.2	404.4	1189.1
MERLUCCIUS PRODUCTUS	1173.	87.0	4312.5	12680.1
THERAGRA CHALCOGRAMMA	50.	3.7	183.8	540.5
BATHYMASTERIDAE(FAMILY)	2.	0.1	7.4	21.6
SCORPAENIDAE(FAMILY)	10.	0.7	36.8	108.1
INOPSETTA ISCHYRA	1.	0.1	3.7	10.8
REINHARDTIUS HIPPOGLOSSOIDES	2.	0.1	7.4	21.6
TOTAL	1348.	100.0	4955.9	14571.9

TABLE:	135	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	55	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.6 C	VOL. FILTERED:	184 M3
POSITION:	49 3.6 N 123 34.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	55 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	195 M	TIME OF TOW:	1345 HR	ALIQUOT:	
		DEPTH OF TOW:	185 M	S.H.F.:	10.08

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	11.	3.4	59.8	110.9
MERLUCCIUS PRODUCTUS	226.	70.0	1228.3	2278.1
THERAGRA CHALCOGRAMMA	85.	26.3	462.0	856.8
LYOPSETTA EXILIS	1.	0.3	5.4	10.1
TOTAL	323.	100.0	1755.4	3255.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	8.	1.3	43.5	80.6
LEUROGLOSSUS STILBIUS	54.	9.1	293.5	544.3
MERLUCCIUS PRODUCTUS	465.	78.3	2527.2	4687.2
THERAGRA CHALCOGRAMMA	37.	6.2	201.1	373.0
SCORPAENIDAE(FAMILY)	22.	3.7	119.6	221.8
INOPSETTA ISCHYRA	2.	0.3	10.9	20.2
LYOPSETTA EXILIS	2.	0.3	10.9	20.2
PSETTICHTHYS MELANOSTICTUS	3.	0.5	16.3	30.2
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.2	5.4	10.1
TOTAL	594.	100.0	3228.3	5987.5

TABLE:	136	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	56	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	11.0 C	VOL. FILTERED:	221 M3
POSITION:	49 1.9 N 123 31.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	52 . 38	BT/XBT NUMBER:	17	PLANKTON CONC.:	
BOTTOM DEPTH:	242 M	TIME OF TOW:	1420 HR	ALIQUOT:	
		DEPTH OF TOW:	230 M	S.H.F.:	10.41

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	20.	2.0	90.5	208.2
MERLUCCIUS PRODUCTUS	811.	81.1	3669.7	8442.5
THERAGRA CHALCOGRAMMA	165.	16.5	746.6	1717.7
LYOPSETTA EXILIS	1.	0.1	4.5	10.4
MICROSTOMUS PACIFICUS	2.	0.2	9.0	20.8
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.1	4.5	10.4
TOTAL	1000.	100.0	4524.9	10410.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	36.	3.7	162.9	374.8
MERLUCCIUS PRODUCTUS	844.	85.9	3819.0	8786.0
THERAGRA CHALCOGRAMMA	68.	6.9	307.7	707.9
STICHAEIDAE(FAMILY)	2.	0.2	9.0	20.8
SCORPAENIDAE(FAMILY)	29.	3.0	131.2	301.9
INOPSETTA ISCHYRA	3.	0.3	13.6	31.2
PSETTICHTHYS MELANOSTICTUS	1.	0.1	4.5	10.4
TOTAL	983.	100.0	4448.0	10233.0

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LYCODAPUS MANDIBULARIS	1.	50.0	4.5	10.4
NECTOLIPARIS PELAGICUS	1.	50.0	4.5	10.4
TOTAL	2.	100.0	9.0	20.8

TABLE:	137	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	57	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.6 C	VOL. FILTERED:	232 M3
POSITION:	49 0.2 N 123 27.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	49 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	230 M	TIME OF TOW:	1505 HR	ALIQUOT:	
		DEPTH OF TOW:	214 M	S.H.F.:	9.23

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	35.	2.2	150.9	323.0
MERLUCCIUS PRODUCTUS	1188.	74.9	5120.7	10965.2
THERAGRA CHALCOGRAMMA	362.	22.8	1560.3	3341.3
LYOPSETTA EXILIS	1.	0.1	4.3	9.2
TOTAL	1586.	100.0	6836.2	14638.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	8.	1.0	34.5	73.8
LEUROGLOSSUS STILBIUS	49.	6.3	211.2	452.3
MERLUCCIUS PRODUCTUS	652.	84.3	2810.3	6018.0
THERAGRA CHALCOGRAMMA	49.	6.3	211.2	452.3
BATHYMASTERIDAE(FAMILY)	1.	0 1	4.3	9.2
AMMODYTES HEXAPTERUS	1.	0.1	4.3	9.2
SCORPAENIDAE(FAMILY)	9.	1.2	38.8	83.1
INOPSETTA ISCHYRA	4.	0.5	17.2	36.9
TOTAL	773.	100.0	3331.9	7134.8

TABLE:	138	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	58	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	11.2 C	VOL. FILTERED:	211 M3
POSITION:	48 57.7 N 123 24.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	46 . 39	BT/XBT NUMBER:	18	PLANKTON CONC.:	
BOTTOM DEPTH:	206 M	TIME OF TOW:	1550 HR	ALIQUOT:	
		DEPTH OF TOW:	191 M	S.H.F.:	9.06

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	9.	2.6	4[illegible]	81.5
MERLUCCIUS PRODUCTUS	248.	72.5	117[illegible]	2246.9
THERAGRA CHALCOGRAMMA	79.	23.1	374.4	715.7
LYOPSETTA EXILIS	4.	1.2	19.0	36.2
MICROSTOMUS PACIFICUS	1.	0.3	4.7	9.1
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.3	4.7	9.1
TOTAL	342.	100.0	1620.9	3098.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	12.	1.9	56.9	108.7
LEUROGLOSSUS STILBIUS	58.	9.4	274.9	525.5
MERLUCCIUS PRODUCTUS	446.	72.2	2113.7	4040.8
THERAGRA CHALCOGRAMMA	92.	14.9	436.0	833.5
AMMODYTES HEXAPTERUS	1.	0.2	4.7	9.1
SCORPAENIDAE(FAMILY)	8.	1.3	37.9	72.5
INOPSETTA ISCHYRA	1.	0.2	4.7	9.1
TOTAL	618.	100.0	2928.9	5599.1

TABLE:	139	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	59	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.9 C	VOL. FILTERED:	235 M3
POSITION:	49 0.2 N 123 21.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	46 . 36	BT/XBT NUMBER:	19	PLANKTON CONC.:	
BOTTOM DEPTH:	237 M	TIME OF TOW:	1630 HR	ALIQUOT:	
		DEPTH OF TOW:	217 M	S.H.F.:	9.22

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	7.	2.2	29.8	64.5
MERLUCCIUS PRODUCTUS	100.	31.2	425.5	922.0
THERAGRA CHALCOGRAMMA	207.	64.5	880.9	1908.5
LYOPSETTA EXILIS	4.	1.2	17.0	36.9
REINHARDTIUS HIPPOGLOSSOIDES	3.	0.9	12.8	27.7
TOTAL	321.	100.0	1366.0	2959.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	14.	2.9	59.6	129.1
LEUROGLOSSUS STILBIUS	44.	9.0	187.2	405.7
MERLUCCIUS PRODUCTUS	354.	72.2	1506.4	3263.9
THERAGRA CHALCOGRAMMA	72.	14.7	306.4	663.8
SCORPAENIDAE(FAMILY)	3.	0.6	12.8	27.7
INOPSETTA ISCHYRA	3.	0.6	12.8	27.7
TOTAL	490.	100.0	2085.1	4517.8

TABLE:	140	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	60	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	11.2 C	VOL. FILTERED:	166 M3
POSITION:	49 1.6 N 123 16.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	44 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	141 M	TIME OF TOW:	1720 HR	ALIQUOT:	
		DEPTH OF TOW:	131 M	S.H.F.:	7.90

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	5.	16.1	30.1	39.5
THERAGRA CHALCOGRAMMA	25.	80.6	150.6	197.5
REINHARDTIUS HIPPOGLOSSOIDES	1.	3.2	6.0	7.9
TOTAL	31.	100.0	186.7	244.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	1.	0.4	6.0	7.9
MERLUCCIUS PRODUCTUS	239.	86.6	1439.8	1888.1
THERAGRA CHALCOGRAMMA	32.	11.6	192.8	252.8
SCORPAENIDAE(FAMILY)	3.	1.1	18.1	23.7
LYOPSETTA EXILIS	1.	0.4	6.0	7.9
TOTAL	276.	100.0	1662.7	2180.4

TABLE:	141	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- .	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	61	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	11.3 C	VOL. FILTERED:	147 M3
POSITION:	48 58.2 N 123 14.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	41 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	146 M	TIME OF TOW:	1755 HR	ALIQUOT:	
		DEPTH OF TOW:	143 M	S.H.F.:	9.74

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	1.	3.8	6.8	9.7
THERAGRA CHALCOGRAMMA	25.	96.2	170.1	243.5
TOTAL	26.	100.0	176.9	253.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	10.	4.7	68.0	97.4
LEUROGLOSSUS STILBIUS	21.	10.0	142.9	204.5
MERLUCCIUS PRODUCTUS	129.	61.1	877.6	1256.5
THERAGRA CHALCOGRAMMA	46.	21.8	312.9	448.0
SCORPAENIDAE(FAMILY)	4.	1.9	27.2	39.0
INOPSETTA ISCHYRA	1.	0.5	6.8	9.7
TOTAL	211.	100.0	1435.4	2055.1

TABLE:	142	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	62	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.8 C	VOL. FILTERED:	157 M3
POSITION:	48 57.7 N 123 18.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	43 . 37	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	187 M	TIME OF TOW:	1837 HR	ALIQUOT:	
		DEPTH OF TOW:	184 M	S.H.F.:	11.76

EGGS

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	4.	9.5	25.5	47.0
THERAGRA CHALCOGRAMMA	37.	88.1	235.7	435.1
LYOPSETTA EXILIS	1.	2.4	6.4	11.8
TOTAL	42.	100.0	267.5	493.9

LARVAE

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	4.	1.3	25.5	47.0
LEUROGLOSSUS STILBIUS	73.	23.5	465.0	858.5
MERLUCCIUS PRODUCTUS	184.	59.4	1172.0	2163.8
THERAGRA CHALCOGRAMMA	43.	13.9	273.9	505.7
RONQUILUS JORDANI	1.	0.3	6.4	11.8
SCORPAENIDAE(FAMILY)	4.	1.3	25.5	47.0
LYOPSETTA EXILIS	1.	0.3	6.4	11.8
TOTAL	310.	100.0	1974.5	3645.6

TABLE:	143	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	63	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	11.0 C	VOL. FILTERED:	185 M3
POSITION:	48 55.6 N 123 21.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	43 . 39	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	187 M	TIME OF TOW:	1905 HR	ALIQUOT:	
		DEPTH OF TOW:	170 M	S.H.F.:	9.20

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	1.5	10.8	18.4
LEUROGLOSSUS STILBIUS	7.	5.3	37.8	64.4
MERLUCCIUS PRODUCTUS	92.	69.2	497.3	846.4
THERAGRA CHALCOGRAMMA	29.	21.8	156.8	266.8
LYOPSETTA EXILIS	1.	0.8	5.4	9.2
REINHARDTIUS HIPPOGLOSSOIDES	2.	1.5	10.8	18.4
TOTAL	133.	100.0	718.9	1223.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	13.	2.5	70.3	119.6
LEUROGLOSSUS STILBIUS	39.	7.4	210.8	358.8
MERLUCCIUS PRODUCTUS	283.	53.9	1529.7	2603.6
THERAGRA CHALCOGRAMMA	158.	30.1	854.1	1453.6
SCORPAENIDAE(FAMILY)	29.	5.5	156.8	266.8
INOPSETTA ISCHYRA	2.	0.4	10.8	18.4
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.2	5.4	9.2
TOTAL	525.	100.0	2837.8	4830.0

TABLE:	144	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	64	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.9 C	VOL. FILTERED:	71 M3
POSITION:	48 54.4 N 123 16.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	40 . 39	BT/XBT NUMBER:	20	PLANKTON CONC.:	
BOTTOM DEPTH:	188 M	TIME OF TOW:	0535 HR	ALIQUOT:	
		DEPTH OF TOW:	181 M	S.H.F.:	2.55

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
THERAGRA CHALCOGRAMMA	2.	100.0	28.2	5.1
TOTAL	2.	100.0	28.2	5.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	28.	15.0	394.4	71.4
LEUROGLOSSUS STILBIUS	5.	2.7	70.4	12.8
MERLUCCIUS PRODUCTUS	83.	44.4	1169.0	211.6
THERAGRA CHALCOGRAMMA	45.	24.1	633.8	114.8
BATHYMASTERIDAE(FAMILY)	3.	1.6	42.3	7.7
STICHAEIDAE(FAMILY)	1.	0.5	14.1	2.5
SCORPAENIDAE(FAMILY)	19.	10.2	267.6	48.5
COTTIDAE(FAMILY)	1.	0.5	14.1	2.5
INOPSETTA ISCHYRA	1.	0.5	14.1	2.5
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.5	14.1	2.5
TOTAL	187.	100.0	2633.8	476.8

TABLE:	145	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	65	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.5 C	VOL. FILTERED:	158 M3
POSITION:	48 56.0 N 123 15.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	40 . 37	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	151 M	TIME OF TOW:	0615 HR	ALIQUOT:	
		DEPTH OF TOW:	139 M	S.H.F.:	8.82

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES				
MERLUCCIUS PRODUCTUS	1.	4.3	6.3	8.8
THERAGRA CHALCOGRAMMA	5.	21.7	31.6	44.1
	17.	73.9	107.6	149.9
TOTAL	23.	100.0	145.6	202.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	5.	1.3	31.6	44.1
LEUROGLOSSUS STILBIUS	35.	9.4	221.5	308.7
MERLUCCIUS PRODUCTUS	244.	65.8	1544.3	2152.1
THERAGRA CHALCOGRAMMA	66.	17.8	417.7	582.1
AMMODYTES HEXAPTERUS	1.	0.3	6.3	8.8
SCORPAENIDAE(FAMILY)	18.	4.9	113.9	158.8
LYOPSETTA EXILIS	2.	0.5	12.7	17.6
TOTAL	371.	100.0	2348.1	3272.2

TABLE: 146
CRUISE: SG 81- 7
SAMPLE NO.: 66
DATE: 19/ 4/81
VESSEL: CALIGUS
POSITION: 48 56.8 N 123 8.7 W
GRID POSITION: 37 . 34
BOTTOM DEPTH: 110 M

WIND DIRECTION: 315 DEG
WIND VELOCITY: 5 MPS
WAVE HEIGHT:
SWELL HEIGHT: 0 M
SURFACE TEMP: 9.5 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 0705 HR
DEPTH OF TOW: 98 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 123 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 7.97

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	6.	30.0	48.8	47.8
THERAGRA CHALCOGRAMMA	13.	65.0	105.7	103.6
LYOPSETTA EXILIS	1.	5.0	8.1	8.0
TOTAL	20.	100.0	162.6	159.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	4.	1.6	32.5	31.9
LEUROGLOSSUS STILBIUS	32.	12.8	260.2	255.0
MERLUCCIUS PRODUCTUS	182.	72.8	1479.7	1450.5
THERAGRA CHALCOGRAMMA	30.	12.0	243.9	239.1
SCORPAENIDAE(FAMILY)	2.	0.8	16.3	15.9
TOTAL	250.	100.0	2032.5	1992.5

TABLE:	147	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	67	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.6 C	VOL. FILTERED:	136 M3
POSITION:	48 53.8 N 123 10.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	36 . 37	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	128 M	TIME OF TOW:	0800 HR	ALIQUOT:	
		DEPTH OF TOW:	121 M	S.H.F.:	8.92

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
THERAGRA CHALCOGRAMMA	4.	100.0	29.4	35.7
TOTAL	4.	100.0	29.4	35.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	6.	1.3	44.1	53.5
LEUROGLOSSUS STILBIUS	31.	6.5	227.9	276.5
MERLUCCIUS PRODUCTUS	312.	65.5	2294.1	2783.0
THERAGRA CHALCOGRAMMA	111.	23.3	816.2	990.1
SCORPAENIDAE(FAMILY)	13.	2.7	95.6	116.0
COTTIDAE(FAMILY)	1.	0.2	7.4	8.9
LYOPSETTA EXILIS	1.	0.2	7.4	8.9
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.2	7.4	8.9
TOTAL	476.	100.0	3500.0	4245.9

TABLE:	148	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	68	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.2 C	VOL. FILTERED:	216 M3
POSITION:	48 52.3 N 123 13.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	37 . 39	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	204 M	TIME OF TOW:	0834 HR	ALIQUOT:	
		DEPTH OF TOW:	186 M	S.H.F.:	8.60

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	6.5	9.3	17.2
MERLUCCIUS PRODUCTUS	10.	32.3	46.3	86.0
THERAGRA CHALCOGRAMMA	17.	54.8	78.7	146.2
LYOPSETTA EXILIS	2.	6.5	9.3	17.2
TOTAL	31.	100.0	143.5	266.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	6.	2.6	27.8	51.6
LEUROGLOSSUS STILBIUS	6.	2.6	27.8	51.6
MERLUCCIUS PRODUCTUS	181.	77.0	838.0	1556.6
THERAGRA CHALCOGRAMMA	21.	8.9	97.2	180.6
BATHYMASTERIDAE(FAMILY)	1.	0.4	4.6	8.6
AMMODYTES HEXAPTERUS	1.	0.4	4.6	8.6
SCORPAENIDAE(FAMILY)	16.	6.8	74.1	137.6
INOPSETTA ISOLEPIS	2.	0.9	9.3	17.2
LYOPSETTA EXILIS	1.	0.4	4.6	8.6
TOTAL	235.	100.0	1088.0	2021.0

TABLE: 149
CRUISE: SG 81- 7
SAMPLE NO.: 69
DATE: 19/ 4/81
VESSEL: CALIGUS
POSITION: 48 50.6 N 123 9.6 W
GRID POSITION: 34 . 39
BOTTOM DEPTH: 201 M

WIND DIRECTION: 315 DEG
WIND VELOCITY: 5 MPS
WAVE HEIGHT:
SWELL HEIGHT: 0 M
SURFACE TEMP: 10.2 C
STD NUMBER:
BT/XBT NUMBER: 21
TIME OF TOW: 0910 HR
DEPTH OF TOW: 190 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 200 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 9.52

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	11.	45.8	55.0	104.7
THERAGRA CHALCOGRAMMA	11.	45.8	55.0	104.7
LYOPSETTA EXILIS	1.	4.2	5.0	9.5
REINHARDTIUS HIPPOGLOSSOIDES	1.	4.2	5.0	9.5
TOTAL	24.	100.0	120.0	228.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	4.	0.7	20.0	38.1
LEUROGLOSSUS STILBIUS	9.	1.5	45.0	85.7
MERLUCCIUS PRODUCTUS	424.	72.6	2120.0	4036.5
THERAGRA CHALCOGRAMMA	109.	18.7	545.0	1037.7
BATHYMASTERIDAE(FAMILY)	2.	0.3	10.0	19.0
STICHAEIDAE(FAMILY)	1.	0.2	5.0	9.5
AMMODYTES HEXAPTERUS	5.	0.9	25.0	47.6
SCORPAENIDAE(FAMILY)	28.	4.8	140.0	266.6
INOPSETTA ISOLEPIS	1.	0.2	5.0	9.5
PSETTICHTHYS MELANOSTICTUS	1.	0.2	5.0	9.5
TOTAL	584.	100.0	2920.0	5559.7

TABLE:	150	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	70	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.1 C	VOL. FILTERED:	146 M3
POSITION:	48 49.1 N 123 7.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	32 . 40	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	141 M	TIME OF TOW:	0930 HR	ALIQUOT:	
		DEPTH OF TOW:	131 M	S.H.F.:	8.97

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
THERAGRA CHALCOGRAMMA	4.	57.1	27.4	35.9
LYOPSETTA EXILIS	1.	14.3	6.8	9.0
REINHARDTIUS HIPPOGLOSSOIDES	2.	28.6	13.7	17.9
TOTAL	7.	100.0	47.9	62.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	9.	1.3	61.6	80.7
LEUROGLOSSUS STILBIUS	14.	2.0	95.9	125.6
MERLUCCIUS PRODUCTUS	512.	74.1	3506.8	4592.6
THERAGRA CHALCOGRAMMA	119.	17.2	815.1	1067.4
APODICHTHYS FLAVIDUS	1.	0.1	6.8	9.0
AMMODYTES HEXAPTERUS	1.	0.1	6.8	9.0
SCORPAENIDAE(FAMILY)	26.	3.8	178.1	233.2
COTTIDAE(FAMILY)	2.	0.3	13.7	17.9
AGONIDAE(FAMILY)	1.	0.1	6.8	9.0
CYCLOPTERIDAE(FAMILY)	1.	0.1	6.8	9.0
LYOPSETTA EXILIS	3.	0.4	20.5	26.9
MICROSTOMUS PACIFICUS	1.	0.1	6.8	9.0
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.1	6.8	9.0
TOTAL	691.	100.0	4732.9	6198.3

TABLE: 151
CRUISE: SG 81- 7
SAMPLE NO.: 71
DATE: 19/ 4/81
VESSEL: CALIGUS
POSITION: 48 49.7 N 123 5.0 W
GRID POSITION: 31 . 38
BOTTOM DEPTH: 187 M

WIND DIRECTION: 0 DEG
WIND VELOCITY: 0 MPS
WAVE HEIGHT:
SWELL HEIGHT: 0 M
SURFACE TEMP: 10.0 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 0955 HR
DEPTH OF TOW: 178 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 189 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 9.40

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	7.1	5.3	9.4
LEUROGLOSSUS STILBIUS	1.	7.1	5.3	9.4
MERLUCCIUS PRODUCTUS	2.	14.3	10.6	18.8
THERAGRA CHALCOGRAMMA	8.	57.1	42.3	75.2
REINHARDTIUS HIPPOGLOSSOIDES	2.	14.3	10.6	18.8
TOTAL	14.	100.0	74.1	131.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	4.	0.8	21.2	37.6
LEUROGLOSSUS STILBIUS	5.	1.0	26.5	47.0
MERLUCCIUS PRODUCTUS	317.	64.7	1677.2	2979.8
THERAGRA CHALCOGRAMMA	132.	26.9	698.4	1240.8
STICHAEIDAE(FAMILY)	1.	0.2	5.3	9.4
APODICHTHYS FLAVIDUS	1.	0.2	5.3	9.4
AMMODYTES HEXAPTERUS	1.	0.2	5.3	9.4
SCORPAENIDAE(FAMILY)	26.	5.3	137.6	244.4
INOPSETTA ISCHYRA	2.	0.4	10.6	18.8
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.2	5.3	9.4
TOTAL	490.	100.0	2592.6	4606.0

TABLE:	152	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	72	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.3 C	VOL. FILTERED:	189 M3
POSITION:	48 48.6 N 123 2.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	29 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	183 M	TIME OF TOW:	1020 HR	ALIQUOT:	
		DEPTH OF TOW:	173 M	S.H.F.:	9.15

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	3.	21.4	15.9	27.4
THERAGRA CHALCOGRAMMA	8.	57.1	42.3	73.2
LYOPSETTA EXILIS	2.	14.3	10.6	18.3
REINHARDTIUS HIPPOGLOSSOIDES	1.	7.1	5.3	9.1
TOTAL	14.	100.0	74.1	128.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	8.	2.3	42.3	73.2
LEUROGLOSSUS STILBIUS	8.	2.3	42.3	73.2
MERLUCCIUS PRODUCTUS	162.	47.5	857.1	1482.3
THERAGRA CHALCOGRAMMA	116.	34.0	613.8	1061.4
AMMODYTES HEXAPTERUS	3.	0.9	15.9	27.4
SCORPAENIDAE(FAMILY)	37.	10.9	195.8	338.5
INOPSETTA ISCHYRA	3.	0.9	15.9	27.4
INOPSETTA ISOLEPIS	1.	0.3	5.3	9.1
LYOPSETTA EXILIS	1.	0.3	5.3	9.1
REINHARDTIUS HIPPOGLOSSOIDES	2.	0.6	10.6	18.3
TOTAL	341.	100.0	1804.2	3120.1

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PTILICHTHYS GOODEI	1.	100.0	5.3	9.1
TOTAL	1.	100.0	5.3	9.1

TABLE:	153	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	73	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.5 C	VOL. FILTERED:	132 M3
POSITION:	48 49.3 N 122 59.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	28 . 37	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	211 M	TIME OF TOW:	1055 HR	ALIQUOT:	
		DEPTH OF TOW:	199 M	S.H.F.:	15.06

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	11.	45.8	83.3	165.7
THERAGRA CHALCOGRAMMA	10.	41.7	75.8	150.6
LYOPSETTA EXILIS	1.	4.2	7.6	15.1
MICROSTOMUS PACIFICUS	1.	4.2	7.6	15.1
REINHARDTIUS HIPPOGLOSSOIDES	1.	4.2	7.6	15.1
TOTAL	24.	100.0	181.8	361.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	2.0	22.7	45.2
MERLUCCIUS PRODUCTUS	23.	15.4	174.2	346.4
THERAGRA CHALCOGRAMMA	106.	71.1	803.0	1596.4
AMMODYTES HEXAPTERUS	6.	4.0	45.5	90.4
SCORPAENIDAE(FAMILY)	8.	5.4	60.6	120.5
COTTIDAE(FAMILY)	1.	0.7	7.6	15.1
INOPSETTA ISCHYRA	1.	0.7	7.6	15.1
INOPSETTA ISOLEPIS	1.	0.7	7.6	15.1
TOTAL	149.	100.0	1128.8	2243.9

TABLE:	154	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	74	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	11.4 C	VOL. FILTERED:	228 M3
POSITION:	48 47.4 N 122 58.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	26 . 38	BT/XBT NUMBER:	22	PLANKTON CONC.:	
BOTTOM DEPTH:	245 M	TIME OF TOW:	1130 HR	ALIQUOT:	
		DEPTH OF TOW:	213 M	S.H.F.:	9.34

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	11.1	8.8	18.7
MERLUCCIUS PRODUCTUS	5.	27.8	21.9	46.7
THERAGRA CHALCOGRAMMA	10.	55.6	43.9	93.4
REINHARDTIUS HIPPOGLOSSOIDES	1.	5.6	4.4	9.3
TOTAL	18.	100.0	78.9	168.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	3.	0.7	13.2	28.0
LEUROGLOSSUS STILBIUS	6.	1.4	26.3	56.0
MERLUCCIUS PRODUCTUS	259.	62.1	1136.0	2419.1
THERAGRA CHALCOGRAMMA	85.	20.4	372.8	793.9
STICHAEIDAE(FAMILY)	2.	0.5	8.8	18.7
AMMODYTES HEXAPTERUS	7.	1.7	30.7	65.4
SCORPAENIDAE(FAMILY)	49.	11.8	214.9	457.7
COTTIDAE(FAMILY)	2.	0.5	8.8	18.7
INOPSETTA ISCHYRA	1.	0.2	4.4	9.3
LYOPSETTA EXILIS	1.	0.2	4.4	9.3
REINHARDTIUS HIPPOGLOSSOIDES	2.	0.5	8.8	18.7
TOTAL	417.	100.0	1828.9	3894.8

TABLE:	155	WIND DIRECTION:	270 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	75	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	11.1 C	VOL. FILTERED:	174 M3
POSITION:	48 48.5 N 122 55.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	25 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	198 M	TIME OF TOW:	1225 HR	ALIQUOT:	
		DEPTH OF TOW:	186 M	S.H.F.:	10.67

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	1.	33.3	5.7	10.7
THERAGRA CHALCOGRAMMA	1.	33.3	5.7	10.7
MICROSTOMUS PACIFICUS	1.	33.3	5.7	10.7
TOTAL	3.	100.0	17.2	32.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	32.	5.9	183.9	341.4
LEUROGLOSSUS STILBIUS	1.	0.2	5.7	10.7
MERLUCCIUS PRODUCTUS	31.	5.7	178.2	330.8
THERAGRA CHALCOGRAMMA	375.	69.1	2155.2	4001.3
AMMODYTES HEXAPTERUS	10.	1.8	57.5	106.7
SCORPAENIDAE(FAMILY)	71.	13.1	408.0	757.6
COTTIDAE(FAMILY)	2.	0.4	11.5	21.3
CYCLOPTERIDAE(FAMILY)	5.	0.9	28.7	53.4
INOPSETTA ISCHYRA	4.	0.7	23.0	42.7
INOPSETTA ISOLEPIS	5.	0.9	28.7	53.4
LYOPSETTA EXILIS	2.	0.4	11.5	21.3
PLATICHTHYS STELLATUS	1.	0.2	5.7	10.7
PSETTICHTHYS MELANOSTICTUS	2.	0.4	11.5	21.3
REINHARDTIUS HIPPOGLOSSOIDES	2.	0.4	11.5	21.3
TOTAL	543.	100.0	3120.7	5793.8

TABLE:	156	WIND DIRECTION:	270 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	76	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.5 C	VOL. FILTERED:	174 M3
POSITION:	48 50.7 N 122 54.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	26 . 34	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	179 M	TIME OF TOW:	1300 HR	ALIQUOT:	
		DEPTH OF TOW:	186 M	S.H.F.:	10.67

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	8.3	5.7	10.7
MERLUCCIUS PRODUCTUS	2.	16.7	11.5	21.3
THERAGRA CHALCOGRAMMA	8.	66.7	46.0	85.4
LYOPSETTA EXILIS	1.	8.3	5.7	10.7
TOTAL	12.	100.0	69.0	128.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	0.3	5.7	10.7
MERLUCCIUS PRODUCTUS	37.	11.1	212.6	394.8
MICROGADUS PROXIMUS	1.	0.3	5.7	10.7
THERAGRA CHALCOGRAMMA	230.	69.1	1321.8	2454.1
AMMODYTES HEXAPTERUS	6.	1.8	34.5	64.0
SCORPAENIDAE(FAMILY)	47.	14.1	270.1	501.5
CYCLOPTERIDAE(FAMILY)	1.	0.3	5.7	10.7
INOPSETTA ISCHYRA	2.	0.6	11.5	21.3
PLATICHTHYS STELLATUS	3.	0.9	17.2	32.0
REINHARDTIUS HIPPOGLOSSOIDES	5.	1.5	28.7	53.4
TOTAL	333.	100.0	1913.8	3553.1

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
AGONOPSIS EMMELANE	1.	100.0	5.7	10.7
TOTAL	1.	100.0	5.7	10.7

TABLE:	157	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	77	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.3 C	VOL. FILTERED:	132 M3
POSITION:	48 51.7 N 122 58.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	28 . 34	BT/XBT NUMBER:	23	PLANKTON CONC.:	
BOTTOM DEPTH:	210 M	TIME OF TOW:	1330 HR	ALIQUOT:	
		DEPTH OF TOW:	199 M	S.H.F	15.06

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES				
MERLUCCIUS PRODUCTUS	1.	16.7	7.6	15.1
THERAGRA CHALCOGRAMMA	1.	16.7	7.6	15.1
MICROSTOMUS PACIFICUS	3.	50.0	22.7	45.2
	1.	16.7	7.6	15.1
TOTAL	6.	100.0	45.5	90.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	7.	7.6	53.0	105.4
LEUROGLOSSUS STILBIUS	4.	4.3	30.3	60.2
MERLUCCIUS PRODUCTUS	19.	20.7	143.9	286.1
THERAGRA CHALCOGRAMMA	42.	45.7	318.2	632.5
AMMODYTES HEXAPTERUS	4.	4.3	30.3	60.2
SCORPAENIDAE(FAMILY)	15.	16.3	113.6	225.9
CYCLOPTERIDAE(FAMILY)	1.	1.1	7.6	15.1
TOTAL	92.	100.0	697.0	1385.5

TABLE:	158	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	78	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.4 C	VOL. FILTERED:	125 M3
POSITION:	48 54.0 N 122 56.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	29 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	113 M	TIME OF TOW:	1405 HR	ALIQUOT:	
		DEPTH OF TOW:	108 M	S.H.F.:	8.63

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	16.7	8.0	8.6
THERAGRA CHALCOGRAMMA	5.	83.3	40.0	43.2
TOTAL	6.	100.0	48.0	51.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
AMMODYTES HEXAPTERUS	1.	33.3	8.0	8.6
INOPSETTA ISCHYRA	1.	33.3	8.0	8.6
MICROSTOMUS PACIFICUS	1.	33.3	8.0	8.6
TOTAL	3.	100.0	24.0	25.9

TABLE:	159	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	79	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	12.5 C	VOL. FILTERED:	138 M3
POSITION:	48 55.4 N 123 2.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	33 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	127 M	TIME OF TOW:	1445 HR	ALIQUOT:	
		DEPTH OF TOW:	112 M	S.H.F.:	8.12

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	6.5	14.5	16.2
MERLUCCIUS PRODUCTUS	16.	51.6	115.9	129.9
THERAGRA CHALCOGRAMMA	13.	41.9	94.2	105.6
TOTAL	31.	100.0	224.6	251.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	20.	12.9	144.9	162.4
MERLUCCIUS PRODUCTUS	117.	75.5	847.8	950.0
THERAGRA CHALCOGRAMMA	15.	9.7	108.7	121.8
BATHYMASTERIDAE(FAMILY)	1.	0.6	7.2	8.1
AMMODYTES HEXAPTERUS	1.	0.6	7.2	8.1
SCORPAENIDAE(FAMILY)	1.	0.6	7.2	8.1
TOTAL	155.	100.0	1123.2	1258.6

TABLE:	160	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 7	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	80	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	11.5 C	VOL. FILTERED:	162 M3
POSITION:	48 51.8 N 123 2.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	31 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	168 M	TIME OF TOW:	1520 HR	ALIQUOT:	
		DEPTH OF TOW:	157 M	S.H.F.:	9.70

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	12.5	6.2	9.7
MERLUCCIUS PRODUCTUS	2.	25.0	12.3	19.4
THERAGRA CHALCOGRAMMA	4.	50.0	24.7	38.8
LYOPSETTA EXILIS	1.	12.5	6.2	9.7
TOTAL	8.	100.0	49.4	77.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	6.	5.5	37.0	58.2
LEUROGLOSSUS STILBIUS	1.	0.9	6.2	9.7
MERLUCCIUS PRODUCTUS	18.	16.4	111.1	174.6
THERAGRA CHALCOGRAMMA	64.	58.2	395.1	620.8
AMMODYTES HEXAPTERUS	2.	1.8	12.3	19.4
SCORPAENIDAE(FAMILY)	17.	15.5	104.9	164.9
INOPSETTA ISCHYRA	2.	1.8	12.3	19.4
TOTAL	110.	100.0	679.0	1067.0

TABLE:	161	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	1	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	27/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.4 C	VOL. FILTERED:	250 M3
POSITION:	49 15.8 N 123 57.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	74 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	338 M	TIME OF TOW:	0455 HR	ALIQUOT:	
		DEPTH OF TOW:	328 M	S.H.F.:	13.10

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES				
LEUROGLOSSUS STILBIUS	1.	0.3	4.0	13.1
MERLUCCIUS PRODUCTUS	22.	7.1	88.0	288.2
THERAGRA CHALCOGRAMMA	276.	89.6	1104.0	3615.6
	9.	2.9	36.0	117.9
TOTAL	308.	100.0	1232.0	4034.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	16.	3.5	64.0	209.6
LEUROGLOSSUS STILBIUS	52.	11.2	208.0	681.2
MERLUCCIUS PRODUCTUS	349.	75.4	1396.0	4571.9
THERAGRA CHALCOGRAMMA	20.	4.3	80.0	262.0
SCORPAENIDAE(FAMILY)	24.	5.2	96.0	314.4
CYCLOPTERIDAE(FAMILY)	1.	0.2	4.0	13.1
MICROSTOMUS PACIFICUS	1.	0.2	4.0	13.1
TOTAL	463.	100.0	1852.0	6065.3

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	66.7	8.0	26.2
LYCODAPUS MANDIBULARIS	1.	33.3	4.0	13.1
TOTAL	3.	100.0	12.0	39.3

TABLE:	162	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	2	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	27/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.3 C	VOL. FILTERED:	333 M3
POSITION:	49 18.3 N 123 54.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	74 . 33	BT/XBT NUMBER:	1	PLANKTON CONC.:	
BOTTOM DEPTH:	405 M	TIME OF TOW:	0558 HR	ALIQUOT:	
		DEPTH OF TOW:	377 M	S.H.F.:	11.32

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	45.	26.2	135.1	509.4
MERLUCCIUS PRODUCTUS	108.	62.8	324.3	1222.6
THERAGRA CHALCOGRAMMA	19.	11.0	57.1	215.1
TOTAL	172.	100.0	516.5	1947.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	9.	1.4	27.0	101.9
LEUROGLOSSUS STILBIUS	48.	7.7	144.1	543.4
MERLUCCIUS PRODUCTUS	544.	87.6	1633.6	6158.1
THERAGRA CHALCOGRAMMA	10.	1.6	30.0	113.2
GOBIIDAE(FAMILY)	1.	0.2	3.0	11.3
SCORPAENIDAE(FAMILY)	9.	1.4	27.0	101.9
TOTAL	621.	100.0	1864.9	7029.7

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CARISTIIDAE(FAMILY)	1.	50.0	3.0	11.3
NECTOLIPARIS PELAGICUS	1.	50.0	3.0	11.3
TOTAL	2.	100.0	6.0	22.6

TABLE:	163	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	3	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	27/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.4 C	VOL. FILTERED:	329 M3
POSITION:	49 18.6 N 123 58.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	76 . 34	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	410 M	TIME OF TOW:	0646 HR	ALIQUOT:	
		DEPTH OF TOW:	400 M	S.H.F.:	12.16

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	33.	19.6	100.3	401.3
MERLUCCIUS PRODUCTUS	116.	69.0	352.6	1410.6
THERAGRA CHALCOGRAMMA	19.	11.3	57.8	231.0
TOTAL	168.	100.0	510.6	2042.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	46.	6.5	139.8	559.4
LEUROGLOSSUS STILBIUS	55.	7.7	167.2	668.8
MERLUCCIUS PRODUCTUS	569.	80.1	1729.5	6919.0
THERAGRA CHALCOGRAMMA	25.	3.5	76.0	304.0
SCORPAENIDAE(FAMILY)	14.	2.0	42.6	170.2
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.1	3.0	12.2
TOTAL	710.	100.0	2158.1	8633.6

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3	75.0	9.1	36.5
LYCODAPUS MANDIBULARIS	1.	25.0	3.0	12.2
TOTAL	4.	100.0	12.2	48.6

TABLE:	164	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	6 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	4	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	27/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.8 C	VOL. FILTERED:	205 M3
POSITION:	49 21.4 N 123 58.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	78 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	240 M	TIME OF TOW:	0743 HR	ALIQUOT:	
		DEPTH OF TOW:	230 M	S.H.F.:	11.21

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	30.	16.0	146.3	336.3
MERLUCCIUS PRODUCTUS	125.	66.5	609.8	1401.3
THERAGRA CHALCOGRAMMA	33.	17.6	161.0	369.9
TOTAL	188.	100.0	917.1	2107.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	7.	1.5	34.1	78.5
LEUROGLOSSUS STILBIUS	31.	6.7	151.2	347.5
MERLUCCIUS PRODUCTUS	407.	87.5	1985.4	4562.5
THERAGRA CHALCOGRAMMA	9.	1.9	43.9	100.9
BATHYMASTERIDAE(FAMILY)	1.	0.2	4.9	11.2
SCORPAENIDAE(FAMILY)	10.	2.2	48.8	112.1
TOTAL	465.	100.0	2268.3	5212.7

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	50.0	4.9	11.2
XENERETMUS TRIACANTHUS	1.	50.0	4.9	11.2
TOTAL	2.	100.0	9.8	22.4

TABLE:	165	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	5	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	27/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.2 C	VOL. FILTERED:	317 M3
POSITION:	49 20.3 N 124 1.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	79 . 34	BT/XBT NUMBER:	2	PLANKTON CONC.:	
BOTTOM DEPTH:	405 M	TIME OF TOW:	0824 HR	ALIQUOT:	
		DEPTH OF TOW:	397 M	S.H.F.:	12.51

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	42.	14.4	132.5	525.4
MERLUCCIUS PRODUCTUS	197.	67.7	621.5	2464.5
THERAGRA CHALCOGRAMMA	52.	17.9	164.0	650.5
TOTAL	291.	100.0	918.0	3640.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	36.	6.8	113.6	450.4
MERLUCCIUS PRODUCTUS	477.	90.0	1504.7	5967.3
THERAGRA CHALCOGRAMMA	14.	2.6	44.2	175.1
SCORPAENIDAE(FAMILY)	3.	0.6	9.5	37.5
TOTAL	530.	100.0	1671.9	6630.3

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	50.0	3.2	12.5
STENOBRACHIUS LEUCOPSARUS	1.	50.0	3.2	12.5
TOTAL	2.	100.0	6.3	25.0

TABLE:	166	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	6	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	27/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.3 C	VOL. FILTERED:	194 M3
POSITION:	49 18.2 N 124 4.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	79 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	210 M	TIME OF TOW:	0910 HR	ALIQUOT:	
		DEPTH OF TOW:	199 M	S.H.F.:	10.26

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	21.	7.3	108.2	215.5
MERLUCCIUS PRODUCTUS	240.	83.3	1237.1	2462.4
THERAGRA CHALCOGRAMMA	27.	9.4	139.2	277.0
TOTAL	288.	100.0	1484.5	2954.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	6.	2.3	30.9	61.6
LEUROGLOSSUS STILBIUS	18.	7.0	92.8	184.7
THERAGRA CHALCOGRAMMA	222.	86.0	1144.3	2277.7
SCORPAENIDAE(FAMILY)	12.	4.7	61.9	123.1
TOTAL	258.	100.0	1329.9	2647.1

TABLE:	167	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	9 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	7	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	27/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.6 C	VOL. FILTERED:	318 M3
POSITION:	49 20.3 N 124 7.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	82 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	400 M	TIME OF TOW:	0955 HR	ALIQUOT:	
		DEPTH OF TOW:	384 M	S.H.F.:	12.08

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	28.	16.4	88.1	338.2
MERLUCCIUS PRODUCTUS	116.	67.8	364.8	1401.3
THERAGRA CHALCOGRAMMA	27.	15.8	84.9	326.2
TOTAL	171.	100.0	537.7	2065.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	4.	1.2	12.6	48.3
LEUROGLOSSUS STILBIUS	21.	6.3	66.0	253.7
MERLUCCIUS PRODUCTUS	291.	87.7	915.1	3515.3
MICROGADUS PROXIMUS	1.	0.3	3.1	12.1
THERAGRA CHALCOGRAMMA	10.	3.0	31.4	120.8
BROSMOPHYCIS MARGINATA	1.	0.3	3.1	12.1
SCORPAENIDAE(FAMILY)	4.	1.2	12.6	48.3
TOTAL	332.	100.0	1044.0	4010.6

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.1	12.1
TOTAL	1.	100.0	3.1	12.1

TABLE:	168	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	6 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	8	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	28/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.7 C	VOL. FILTERED:	285 M3
POSITION:	49 22.8 N 124 10.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	85 . 35	BT/XBT NUMBER:	3	PLANKTON CONC.:	
BOTTOM DEPTH:	350 M	TIME OF TOW:	0913 HR	ALIQUOT:	
		DEPTH OF TOW:	340 M	S.H.F.:	11.93

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	34.	15.0	119.3	405.6
MERLUCCIUS PRODUCTUS	152.	67.0	533.3	1813.4
THERAGRA CHALCOGRAMMA	40.	17.6	140.4	477.2
LYOPSETTA EXILIS	1.	0.4	3.5	11.9
TOTAL	227.	100.0	796.5	2708.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	38.	7.3	133.3	453.3
MERLUCCIUS PRODUCTUS	470.	89.9	1649.1	5607.1
THERAGRA CHALCOGRAMMA	11.	2.1	38.6	131.2
SCORPAENIDAE(FAMILY)	3.	0.6	10.5	35.8
LYOPSETTA EXILIS	1.	0.2	3.5	11.9
TOTAL	523.	100.0	1835.1	6239.4

TABLE:	169	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	9	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	28/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.7 C	VOL. FILTERED:	200 M3
POSITION:	49 22.8 N 124 4.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	82 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	249 M	TIME OF TOW:	1008 HR	ALIQUOT:	
		DEPTH OF TOW:	234 M	S.H.F.:	11.73

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	35.	21.0	175.0	410.5
MERLUCCIUS PRODUCTUS	106.	63.5	530.0	1243.4
THERAGRA CHALCOGRAMMA	25.	15.0	125.0	293.3
MICROSTOMUS PACIFICUS	1.	0.6	5.0	11.7
TOTAL	167.	100.0	835.0	1958.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	13.	2.2	65.0	152.5
LEUROGLOSSUS STILBIUS	29.	4.9	145.0	340.2
MERLUCCIUS PRODUCTUS	522.	87.6	2610.0	6123.1
MICROGADUS PROXIMUS	1.	0.2	5.0	11.7
THERAGRA CHALCOGRAMMA	19.	3.2	95.0	222.9
BATHYMASTERIDAE(FAMILY)	1.	0.2	5.0	11.7
SCORPAENIDAE(FAMILY)	9.	1.5	45.0	105.6
COTTIDAE(FAMILY)	1.	0.2	5.0	11.7
MICROSTOMUS PACIFICUS	1.	0.2	5.0	11.7
TOTAL	596.	100.0	2980.0	6991.1

TABLE:	170	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	10	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	28/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.8 C	VOL. FILTERED:	350 M3
POSITION:	49 24.7 N 124 1.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	81 . 30	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	400 M	TIME OF TOW:	1052 HR	ALIQUOT:	
		DEPTH OF TOW:	400 M	S.H.F.:	11.44

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	35.	16.3	100.0	400.4
MERLUCCIUS PRODUCTUS	168.	78.1	480.0	1921.9
THERAGRA CHALCOGRAMMA	12.	5.6	34.3	137.3
TOTAL	215.	100.0	614.3	2459.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	28.	5.3	80.0	320.3
MERLUCCIUS PRODUCTUS	493.	92.7	1408.6	5639.9
THERAGRA CHALCOGRAMMA	3.	0.6	8.6	34.3
SCORPAENIDAE(FAMILY)	8.	1.5	22.9	91.5
TOTAL	532.	100.0	1520.0	6086.1

TABLE:	171	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	11	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	28/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.7 C	VOL. FILTERED:	314 M3
POSITION:	49 25.6 N 124 5.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	84 . 31	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	319 M	TIME OF TOW:	1156 HR	ALIQUOT:	
		DEPTH OF TOW:	309 M	S.H.F.:	9.84

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	29.	22.0	92.4	285.4
MERLUCCIUS PRODUCTUS	91.	68.9	289.8	895.4
THERAGRA CHALCOGRAMMA	12.	9.1	38.2	118.1
TOTAL	132.	100.0	420.4	1298.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	3.	0.5	9.6	29.5
LEUROGLOSSUS STILBIUS	43.	7.0	136.9	423.1
MERLUCCIUS PRODUCTUS	533.	86.7	1697.5	5244.7
THERAGRA CHALCOGRAMMA	16.	2.6	51.0	157.4
SCORPAENIDAE(FAMILY)	19.	3.1	60.5	187.0
INOPSETTA ISCHYRA	1.	0.2	3.2	9.8
TOTAL	615.	100.0	1958.6	6051.6

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LYCODAPUS MANDIBULARIS	1.	50.0	3.2	9.8
NECTOLIPARIS PELAGICUS	1.	50.0	3.2	9.8
TOTAL	2.	100.0	6.4	19.7

TABLE:	172	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	12	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	28/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.2 C	VOL. FILTERED:	290 M3
POSITION:	49 28.0 N 124 3.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	84 . 28	BT/XBT NUMBER:	4	PLANKTON CONC.:	
BOTTOM DEPTH:	340 M	TIME OF TOW:	1247 HR	ALIQUOT:	
		DEPTH OF TOW:	338 M	S.H.F.:	11.66

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	13.	12.1	44.8	151.6
MERLUCCIUS PRODUCTUS	78.	72.9	269.0	909.5
THERAGRA CHALCOGRAMMA	16.	15.0	55.2	186.6
TOTAL	107.	100.0	369.0	1247.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	7.	1.4	24.1	81.6
LEUROGLOSSUS STILBIUS	50.	10.3	172.4	583.0
MERLUCCIUS PRODUCTUS	385.	79.1	1327.6	4489.1
THERAGRA CHALCOGRAMMA	23.	4.7	79.3	268.2
GOBIIDAE(FAMILY)	1.	0.2	3.4	11.7
SCORPAENIDAE(FAMILY)	19.	3.9	65.5	221.5
LYOPSETTA EXILIS	2.	0.4	6.9	23.3
TOTAL	487.	100.0	1679.3	5678.4

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	50.0	3.4	11.7
LYCODAPUS MANDIBULARIS	1.	50.0	3.4	11.7
TOTAL	2.	100.0	6.9	23.3

TABLE:	173
CRUISE:	SG 81- 8
SAMPLE NO.:	13
DATE:	28/ 4/81
VESSEL:	CALIGUS
POSITION:	49 27.2 N 123 58.4 W
GRID POSITION:	81 . 27
BOTTOM DEPTH:	196 M

WIND DIRECTION:	135 DEG
WIND VELOCITY:	4 MPS
WAVE HEIGHT:	
SWELL HEIGHT:	1 M
SURFACE TEMP:	10.2 C
STD NUMBER:	
BT/XBT NUMBER:	
TIME OF TOW:	1336 HR
DEPTH OF TOW:	193 M

TOW SPEED:	1 MPS
TYPE OF TOW:	OBLIQUE
GEAR TYPE:	BONGO .25 M2
MESH SIZE:	.351 MM
VOL. FILTERED:	188 M3
DISP. VOLUME:	
PLANKTON CONC.:	
ALIQUOT:	
S.H.F.:	10.29

EGGS

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	4.	16.7	21.3	41.2
MERLUCCIUS PRODUCTUS	10.	41.7	53.2	102.9
THERAGRA CHALCOGRAMMA	10.	41.7	53.2	102.9
TOTAL	24.	100.0	127.7	247.0

LARVAE

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	14.	4.5	74.5	144.1
LEUROGLOSSUS STILBIUS	16.	5.1	85.1	164.6
MERLUCCIUS PRODUCTUS	174.	55.8	925.5	1790.5
THERAGRA CHALCOGRAMMA	86	27.6	457.4	884.9
BATHYMASTERIDAE(FAMILY)	2.	0.6	10.6	20.6
SCORPAENIDAE(FAMILY)	18.	5.8	95.7	185.2
INOPSETTA ISCHYRA	2.	0.6	10.6	20.6
TOTAL	312.	100.0	1659.6	3210.5

TABLE:	174	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	14	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	28/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.1 C	VOL. FILTERED:	286 M3
POSITION:	49 23.9 N 123 56.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	78 . 29	BT/XBT NUMBER:	5	PLANKTON CONC.:	
BOTTOM DEPTH:	312 M	TIME OF TOW:	1420 HR	ALIQUOT:	
		DEPTH OF TOW:	299 M	S.H.F.:	10.46

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.2	3.5	10.5
LEUROGLOSSUS STILBIUS	47.	7.9	164.3	491.6
MERLUCCIUS PRODUCTUS	453.	76.5	1583.9	4738.4
THERAGRA CHALCOGRAMMA	91.	15.4	318.2	951.9
TOTAL	592.	100.0	2069.9	6192.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	10.	1.3	35.0	104.6
LEUROGLOSSUS STILBIUS	41.	5.4	143.4	428.9
MERLUCCIUS PRODUCTUS	685.	89.7	2395.1	7165.1
THERAGRA CHALCOGRAMMA	15.	2.0	52.4	156.9
BATHYMASTERIDAE(FAMILY)	1.	0.1	3.5	10.5
SCORPAENIDAE(FAMILY)	12.	1.6	42.0	125.5
TOTAL	764.	100.0	2671.3	7991.4

TABLE:	175	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	15	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	28/ 4/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.9 C	VOL. FILTERED:	374 M3
POSITION:	49 21.4 N 123 53.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	75 . 30	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	430 M	TIME OF TOW:	1509 HR	ALIQUOT:	
		DEPTH OF TOW:	420 M	S.H.F.:	11.24

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	68.	25.9	181.8	764.3
MERLUCCIUS PRODUCTUS	171.	65.0	457.2	1922.0
THERAGRA CHALCOGRAMMA	24.	9.1	64.2	269.8
TOTAL	263.	100.0	703.2	2956.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	6.	0.9	16.0	67.4
LEUROGLOSSUS STILBIUS	69.	10.7	184.5	775.6
MERLUCCIUS PRODUCTUS	549.	85 0	1467.9	6170.8
THERAGRA CHALCOGRAMMA	3.	0.5	8.0	33.7
SCORPAENIDAE(FAMILY)	19.	2.9	50.8	213.6
TOTAL	646.	100.0	1727.3	7261.0

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	60.0	8.0	33.7
LYCODAPUS MANDIBULARIS	1.	20.0	2.7	11.2
NECTOLIPARIS PELAGICUS	1.	20.0	2.7	11.2
TOTAL	5.	100.0	13.4	56.2

TABLE:	176	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	16	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	28/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.1 C	VOL. FILTERED:	187 M3
POSITION:	49 24.4 N 123 52.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	76 . 27	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	186 M	TIME OF TOW:	1609 HR	ALIQUOT:	
		DEPTH OF TOW:	177 M	S.H.F.:	9.45

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	5.	2.5	26.7	47.3
MERLUCCIUS PRODUCTUS	142.	69.6	759.4	1341.9
THERAGRA CHALCOGRAMMA	53.	26.0	283.4	500.8
LYOPSETTA EXILIS	4.	2.0	21.4	37.8
TOTAL	204.	100.0	1090.9	1927.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	2.	1.1	10.7	18.9
LEUROGLOSSUS STILBIUS	12.	6.4	64.2	113.4
MERLUCCIUS PRODUCTUS	147.	78.6	786.1	1389.2
THERAGRA CHALCOGRAMMA	14.	7.5	74.9	132.3
SCORPAENIDAE(FAMILY)	11.	5.9	58.8	103.9
LYOPSETTA EXILIS	1.	0.5	5.3	9.4
TOTAL	187.	100.0	1000.0	1767.2

TABLE: 177
CRUISE: SG 81- 8
SAMPLE NO.: 17
DATE: 28/ 4/81
VESSEL: CALIGUS
POSITION: 49 27.2 N 123 52.9 W
GRID POSITION: 78 . 25
BOTTOM DEPTH: 203 M

WIND DIRECTION: 135 DEG
WIND VELOCITY: 3 MPS
WAVE HEIGHT:
SWELL HEIGHT:
SURFACE TEMP: 10.3 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 1655 HR
DEPTH OF TOW: 193 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 179 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 10.78

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	8.	15.4	44.7	86.2
MERLUCCIUS PRODUCTUS	30.	57.7	167.6	323.4
THERAGRA CHALCOGRAMMA	13.	25.0	72.6	140.1
LYOPSETTA EXILIS	1.	1.9	5.6	10.8
TOTAL	52.	100.0	290.5	560.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	7.	3.5	39.1	75.5
LEUROGLOSSUS STILBIUS	7.	3.5	39.1	75.5
MERLUCCIUS PRODUCTUS	157.	78.5	877.1	1692.5
THERAGRA CHALCOGRAMMA	18.	9.0	100.6	194.0
SCORPAENIDAE(FAMILY)	7.	3.5	39.1	75.5
COTTIDAE(FAMILY)	2.	1.0	11.2	21.6
INOPSETTA ISCHYRA	1.	0.5	5.6	10.8
LYOPSETTA EXILIS	1.	0.5	5.6	10.8
TOTAL	200.	100.0	1117.3	2156.0

TABLE:	178	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	18	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	28/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.3 C	VOL. FILTERED:	141 M3
POSITION:	49 25.2 N 123 45.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	73 . 24	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	162 M	TIME OF TOW:	1747 HR	ALIQUOT:	
		DEPTH OF TOW:	151 M	S.H.F.:	10.69

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	2.9	7.1	10.7
MERLUCCIUS PRODUCTUS	18.	51.4	127.7	192.4
THERAGRA CHALCOGRAMMA	15.	42.9	106.4	160.3
LYOPSETTA EXILIS	1.	2.9	7.1	10.7
TOTAL	35.	100.0	248.2	374.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	6.	4.2	42.6	64.1
LEUROGLOSSUS STILBIUS	14.	9.9	99.3	149.7
MERLUCCIUS PRODUCTUS	92.	64.8	652.5	983.5
THERAGRA CHALCOGRAMMA	25.	17.6	177.3	267.3
SCORPAENIDAE(FAMILY)	5.	3.5	35.5	53.4
TOTAL	142.	100.0	1007.1	1518.0

TABLE:	179	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	19	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	28/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.3 C	VOL. FILTERED:	155 M3
POSITION:	49 23.2 N 123 38.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	68 . 23	BT/XBT NUMBER:	6	PLANKTON CONC.:	
BOTTOM DEPTH:	172 M	TIME OF TOW:	1842 HR	ALIQUOT:	
		DEPTH OF TOW:	163 M	S.H.F.:	10.52

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	2.4	6.5	10.5
MERLUCCIUS PRODUCTUS	24.	58.5	154.8	252.5
THERAGRA CHALCOGRAMMA	16.	39.0	103.2	168.3
TOTAL	41.	100.0	264.5	431.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	28.	23.5	180.6	294.6
MERLUCCIUS PRODUCTUS	76.	63.9	490.3	799.5
THERAGRA CHALCOGRAMMA	10.	8.4	64.5	105.2
PHOLIDAE(FAMILY)	1.	0.8	6.5	10.5
SCORPAENIDAE(FAMILY)	3.	2.5	19.4	31.6
INOPSETTA ISOLEPIS	1.	0.8	6.5	10.5
TOTAL	119.	100.0	767.7	1251.9

TABLE:	180	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	20	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	29/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.3 C	VOL. FILTERED:	187 M3
POSITION:	49 20.7 N 123 30.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	62 . 22	BT/XBT NUMBER:	7	PLANKTON CONC.:	
BOTTOM DEPTH:	196 M	TIME OF TOW:	0533 HR	ALIQUOT:	
		DEPTH OF TOW:	196 M	S.H.F.:	10.49

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	1.2	10.7	21.0
LEUROGLOSSUS STILBIUS	11.	6.8	58.8	115.4
MERLUCCIUS PRODUCTUS	118.	73.3	631.0	1237.8
THERAGRA CHALCOGRAMMA	27.	16.8	144.4	283.2
LYOPSETTA EXILIS	3.	1.9	16.0	31.5
TOTAL	161.	100.0	861.0	1688.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	17.	10.5	90.9	178.3
LEUROGLOSSUS STILBIUS	29.	17.9	155.1	304.2
MERLUCCIUS PRODUCTUS	99.	61.1	529.4	1038.5
THERAGRA CHALCOGRAMMA	13.	8.0	69.5	136.4
SCORPAENIDAE(FAMILY)	3.	1.9	16.0	31.5
INOPSETTA ISCHYRA	1.	0.6	5.3	10.5
TOTAL	162.	100.0	866.3	1699.4

TABLE:	181	WIND DIRECTION:	90 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	21	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	29/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.8 C	VOL. FILTERED:	182 M3
POSITION:	49 17.7 N 123 31.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	61 . 25	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	180 M	TIME OF TOW:	0617 HR	ALIQUOT:	
		DEPTH OF TOW:	172 M	S.H.F.:	9.43

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	3.4	16.5	28.3
MERLUCCIUS PRODUCTUS	59.	67.8	324.2	556.4
THERAGRA CHALCOGRAMMA	24.	27.6	131.9	226.3
LYOPSETTA EXILIS	1.	1.1	5.5	9.4
TOTAL	87.	100.0	478.0	820.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	17.	6.8	93.4	160.3
LEUROGLOSSUS STILBIUS	18.	7.2	98.9	169.7
MERLUCCIUS PRODUCTUS	191.	76.1	1049.5	1801.1
THERAGRA CHALCOGRAMMA	17.	6.8	93.4	160.3
SCORPAENIDAE(FAMILY)	8.	3.2	44.0	75.4
TOTAL	251.	100.0	1379.1	2366.9

TABLE:	182	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	22	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	29/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.8 C	VOL. FILTERED:	221 M3
POSITION:	49 16.3 N 123 36.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	63 . 28	BT/XBT NUMBER:	8	PLANKTON CONC.:	
BOTTOM DEPTH:	240 M	TIME OF TOW:	0720 HR	ALIQUOT:	
		DEPTH OF TOW:	227 M	S.H.F.:	10.30

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	30.	3.3	135.7	309.0
MERLUCCIUS PRODUCTUS	818.	88.7	3701.4	8425.4
THERAGRA CHALCOGRAMMA	74.	8.0	334.8	762.2
TOTAL	922.	100.0	4171.9	9496.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	6.	0.9	27.1	61.8
LEUROGLOSSUS STILBIUS	31.	4.5	140.3	319.3
MERLUCCIUS PRODUCTUS	628.	90.6	2841.6	6468.4
THERAGRA CHALCOGRAMMA	17.	2.5	76.9	175.1
BROSMOPHYCIS MARGINATA	1.	0.1	4.5	10.3
SCORPAENIDAE(FAMILY)	9.	1.3	40.7	92.7
LYOPSETTA EXILIS	1.	0.1	4.5	10.3
TOTAL	693.	100.0	3135.7	7137.9

TABLE:	183	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	23	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	29/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.8 C	VOL. FILTERED:	180 M3
POSITION:	49 19.4 N 123 35.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	64 . 25	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	183 M	TIME OF TOW:	0805 HR	ALIQUOT:	
		DEPTH OF TOW:	170 M	S.H.F.:	9.46

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	13.	10.3	72.2	123.0
MERLUCCIUS PRODUCTUS	89.	70.6	494.4	841.9
THERAGRA CHALCOGRAMMA	22.	17.5	122.2	208.1
LYOPSETTA EXILIS	2.	1.6	11.1	18.9
TOTAL	126.	100.0	700.0	1192.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	7.	4.6	38.9	66.2
LEUROGLOSSUS STILBIUS	21.	13.8	116.7	198.7
MERLUCCIUS PRODUCTUS	105.	69.1	583.3	993.3
THERAGRA CHALCOGRAMMA	9.	5.9	50.0	85.1
SCORPAENIDAE(FAMILY)	8.	5.3	44.4	75.7
LYOPSETTA EXILIS	2.	1.3	11.1	18.9
TOTAL	152.	100.0	844.4	1437.9

TABLE:	184	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	24	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	29/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.1 C	VOL. FILTERED:	151 M3
POSITION:	49 19.4 N 123 40.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	67 . 27	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	159 M	TIME OF TOW:	0847 HR	ALIQUOT:	
		DEPTH OF TOW:	150 M	S.H.F.:	9.95

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES				
LEUROGLOSSUS STILBIUS	3.	5.2	19.9	29.9
MERLUCCIUS PRODUCTUS	6.	10.3	39.7	59.7
THERAGRA CHALCOGRAMMA	34.	58.6	225.2	338.3
LYOPSETTA EXILIS	12.	20.7	79.5	119.4
	3.	5.2	19.9	29.9
TOTAL	58.	100.0	384.1	577.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	17.	9.7	112.6	169.1
MERLUCCIUS PRODUCTUS	96.	54.9	635.8	955.2
THERAGRA CHALCOGRAMMA	32.	18.3	211.9	318.4
SCORPAENIDAE(FAMILY)	29.	16.6	192.1	288.5
LYOPSETTA EXILIS	1.	0.6	6.6	9.9
TOTAL	175.	100.0	1158.9	1741.3

TABLE:	185	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	25	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	29/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.2 C	VOL. FILTERED:	187 M3
POSITION:	49 21.3 N 123 42.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	69 . 26	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	192 M	TIME OF TOW:	0920 HR	ALIQUOT:	
		DEPTH OF TOW:	181 M	S.H.F.:	9.66

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	15.	14.0	80.2	144.9
MERLUCCIUS PRODUCTUS	70.	65.4	374.3	676.2
THERAGRA CHALCOGRAMMA	21.	19.6	112.3	202.9
LYOPSETTA EXILIS	1.	0.9	5.3	9.7
TOTAL	107.	100.0	572.2	1033.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	2.	0.9	10.7	19.3
LEUROGLOSSUS STILBIUS	31.	13.7	165.8	299.5
MERLUCCIUS PRODUCTUS	115.	50.7	615.0	1110.9
THERAGRA CHALCOGRAMMA	51.	22.5	272.7	492.7
SCORPAENIDAE(FAMILY)	28.	12.3	149.7	270.5
TOTAL	227.	100.0	1213.9	2192.8

TABLE:	186	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	26	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	29/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.3 C	VOL. FILTERED:	208 M3
POSITION:	49 22.2 N 123 47.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	72 . 27	BT/XBT NUMBER:	9	PLANKTON CONC.:	
BOTTOM DEPTH:	203 M	TIME OF TOW:	1005 HR	ALIQUOT:	
		DEPTH OF TOW:	187 M	S.H.F.:	8.98

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	24.	6.2	115.4	215.5
MERLUCCIUS PRODUCTUS	314.	80.5	1509.6	2819.7
THERAGRA CHALCOGRAMMA	50.	12.8	240.4	449.0
LYOPSETTA EXILIS	2.	0.5	9.6	18.0
TOTAL	390.	100.0	1875.0	3502.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	3.	0.8	14.4	26.9
LEUROGLOSSUS STILBIUS	34.	8.9	163.5	305.3
MERLUCCIUS PRODUCTUS	286.	75.1	1375.0	2568.3
THERAGRA CHALCOGRAMMA	39.	10.2	187.5	350.2
SCORPAENIDAE(FAMILY)	18.	4.7	86.5	161.6
INOPSETTA ISCHYRA	1.	0.3	4.8	9.0
TOTAL	381.	100.0	1831.7	3421.4

TABLE:	187	WIND DIRECTION:	0 DEG
CRUISE:	SG 81- 8	WIND VELOCITY:	0 MPS
SAMPLE NO.:	27	WAVE HEIGHT:	
DATE:	29/ 4/81	SWELL HEIGHT:	0 M
VESSEL:	CALIGUS	SURFACE TEMP:	10.0 C
POSITION:	49 19.7 N 123 49.6 W	STD NUMBER:	
GRID POSITION:	72 . 30	BT/XBT NUMBER:	
BOTTOM DEPTH:	405 M	TIME OF TOW:	1042 HR
		DEPTH OF TOW:	395 M

TOW SPEED:	1 MPS
TYPE OF TOW:	OBLIQUE
GEAR TYPE:	BONGO .25 M2
MESH SIZE:	.351 MM
VOL. FILTERED:	324 M3
DISP. VOLUME:	
PLANKTON CONC.:	
ALIQUOT:	
S.H.F.:	12.21

EGGS

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	44.	20.5	135.8	537.2
MERLUCCIUS PRODUCTUS	132.	61.4	407.4	1611.7
THERAGRA CHALCOGRAMMA	39.	18.1	120.4	476.2
TOTAL	215.	100.0	663.6	2625.1

LARVAE

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	2.	0.7	6.2	24.4
LEUROGLOSSUS STILBIUS	35.	13.0	108.0	427.4
MERLUCCIUS PRODUCTUS	228.	84.4	703.7	2783.9
THERAGRA CHALCOGRAMMA	1.	0.4	3.1	12.2
SCORPAENIDAE(FAMILY)	3.	1.1	9.3	36.6
HEXAGRAMMIDAE(FAMILY)	1.	0.4	3.1	12.2
TOTAL	270.	100.0	833.3	3296.7

TABLE: 188	WIND DIRECTION: 0 DEG	TOW SPEED: 1 MPS
CRUISE: SG 81- 8	WIND VELOCITY: 0 MPS	TYPE OF TOW: OBLIQUE
SAMPLE NO.: 28	WAVE HEIGHT:	GEAR TYPE: BONGO .25 M2
DATE: 29/ 4/81	SWELL HEIGHT: 0 M	MESH SIZE: .351 MM
VESSEL: CALIGUS	SURFACE TEMP: 10.1 C	VOL. FILTERED: 291 M3
POSITION: 49 18.8 N 123 45.0 W	STD NUMBER:	DISP. VOLUME:
GRID POSITION: 69 . 29	BT/XBT NUMBER:	PLANKTON CONC.:
BOTTOM DEPTH: 332 M	TIME OF TOW: 1142 HR	ALIQUOT:
	DEPTH OF TOW: 322 M	S.H.F.: 11.08

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	48.	5.7	164.9	531.8
MERLUCCIUS PRODUCTUS	726.	85.8	2494.8	8044.1
THERAGRA CHALCOGRAMMA	71.	8.4	244.0	786.7
LYOPSETTA EXILIS	1.	0.1	3.4	11.1
TOTAL	846.	100.0	2907.2	9373.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	4.	0.5	13.7	44.3
LEUROGLOSSUS STILBIUS	41.	5.0	140.9	454.3
MERLUCCIUS PRODUCTUS	745.	91.3	2560.1	8254.6
THERAGRA CHALCOGRAMMA	15.	1.8	51.5	166.2
SCORPAENIDAE(FAMILY)	11.	1.3	37.8	121.9
TOTAL	816.	100.0	2804.1	9041.3

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	100.0	6.9	22.2
TOTAL	2.	100.0	6.9	22.2

TABLE: 189
CRUISE: SG 81- 8
SAMPLE NO.: 29
DATE: 29/ 4/81
VESSEL: CALIGUS
POSITION: 49 15.8 N 123 40.8 W
GRID POSITION: 65 . 30
BOTTOM DEPTH: 377 M

WIND DIRECTION: 135 DEG
WIND VELOCITY: 1 MPS
WAVE HEIGHT:
SWELL HEIGHT: 0 M
SURFACE TEMP: 10.2 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 1240 HR
DEPTH OF TOW: 375 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 338 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 11.11

EGGS

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	36.	2.8	106.5	400.0
MERLUCCIUS PRODUCTUS	1209.	93.5	3576.9	13432.0
THERAGRA CHALCOGRAMMA	46.	3.6	136.1	511.1
LYOPSETTA EXILIS	2.	0.2	5.9	22.2
TOTAL	1293.	100.0	3825.4	14365.2

LARVAE

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	5.	0.6	14.8	55.5
LEUROGLOSSUS STILBIUS	48.	6.0	142.0	533.3
MERLUCCIUS PRODUCTUS	723.	90.9	2139.1	8032.5
MICROGADUS PROXIMUS	1.	0.1	3.0	11.1
THERAGRA CHALCOGRAMMA	9.	1.1	26.6	100.0
SCORPAENIDAE(FAMILY)	9.	1.1	26.6	100.0
TOTAL	795.	100.0	2352.1	8832.5

TABLE:	190	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	30	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	29/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.3 C	VOL. FILTERED:	338 M3
POSITION:	49 15.8 N 123 46.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	68 . 32	BT/XBT NUMBER:	10	PLANKTON CONC.:	
BOTTOM DEPTH:	400 M	TIME OF TOW:	1340 HR	ALIQUOT:	
		DEPTH OF TOW:	390 M	S.H.F.:	11.55

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	0.2	5.9	23.1
LEUROGLOSSUS STILBIUS	50.	5.1	147.9	577.5
MERLUCCIUS PRODUCTUS	854.	87.6	2526.6	9863.7
THERAGRA CHALCOGRAMMA	68.	7.0	201.2	785.4
LYOPSETTA EXILIS	1.	0.1	3.0	11.6
TOTAL	975.	100.0	2884.6	11261.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	11.	1.4	32.5	127.1
LEUROGLOSSUS STILBIUS	60.	7.4	177.5	693.0
MERLUCCIUS PRODUCTUS	714.	87.8	2112.4	8246.7
MICROGADUS PROXIMUS	1.	0.1	3.0	11.6
THERAGRA CHALCOGRAMMA	15.	1.8	44.4	173.3
SCORPAENIDAE(FAMILY)	10.	1.2	29.6	115.5
INOPSETTA ISCHYRA	2.	0.2	5.9	23.1
TOTAL	813.	100.0	2405.3	9390.1

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	66.7	5.9	23.1
STENOBRACHIUS LEUCOPSARUS	1.	33.3	3.0	11.6
TOTAL	3.	100.0	8.9	34.7

TABLE:	191	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	31	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	29/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.4 C	VOL. FILTERED:	328 M3
POSITION:	49 16.6 N 123 50.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	71 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	406 M	TIME OF TOW:	1432 HR	ALIQUOT:	
		DEPTH OF TOW:	396 M	S.H.F.:	12.09

EGGS

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	28.	11.2	85.4	338.5
MERLUCCIUS PRODUCTUS	214.	85.3	652.4	2587.3
THERAGRA CHALCOGRAMMA	9.	3.6	27.4	108.8
TOTAL	251.	100.0	765.2	3034.6

LARVAE

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	6.	0.9	18.3	72.5
LEUROGLOSSUS STILBIUS	80.	12.1	243.9	967.2
MERLUCCIUS PRODUCTUS	558.	84.2	1701.2	6746.2
THERAGRA CHALCOGRAMMA	7.	1.1	21.3	84.6
SCORPAENIDAE(FAMILY)	11.	1.7	33.5	133.0
LYOPSETTA EXILIS	1.	0.2	3.0	12.1
TOTAL	663.	100.0	2021.3	8015.7

JUVENILES

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	50.0	3.0	12.1
LYCODAPUS MANDIBULARIS	1.	50.0	3.0	12.1
TOTAL	2.	100.0	6.1	24.2

TABLE:	192	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	32	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	29/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.4 C	VOL. FILTERED:	215 M3
POSITION:	49 14.2 N 123 53.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	71 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	207 M	TIME OF TOW:	1525 HR	ALIQUOT:	
		DEPTH OF TOW:	192 M	S.H.F.:	8.93

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.6	4.7	8.9
LEUROGLOSSUS STILBIUS	13.	8.0	60.5	116.1
MERLUCCIUS PRODUCTUS	141.	86.5	655.8	1259.1
THERAGRA CHALCOGRAMMA	6.	3.7	27.9	53.6
LYOPSETTA EXILIS	1.	0.6	4.7	8.9
MICROSTOMUS PACIFICUS	1.	0.6	4.7	8.9
TOTAL	163.	100.0	758.1	1455.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	15.	5.7	69.8	134.0
LEUROGLOSSUS STILBIUS	51.	19.5	237.2	455.4
MERLUCCIUS PRODUCTUS	184.	70.5	855.8	1643.1
THERAGRA CHALCOGRAMMA	7.	2.7	32.6	62.5
SCORPAENIDAE(FAMILY)	2.	0.8	9.3	17.9
COTTIDAE(FAMILY)	1.	0.4	4.7	8.9
SCORPAENICHTHYS MARMORATUS	1.	0.4	4.7	8.9
TOTAL	261.	100.0	1214.0	2330.7

TABLE:	193	WIND DIRECTION.	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	33	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	29/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.3 C	VOL. FILTERED:	211 M3
POSITION:	49 13.3 N 123 48.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	68 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	215 M	TIME OF TOW:	1609 HR	ALIQUOT:	
		DEPTH OF TOW:	207 M	S.H.F.:	9.82

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	12.	3.4	56.9	117.8
MERLUCCIUS PRODUCTUS	344.	96.4	1630.3	3378.1
LYOPSETTA EXILIS	1.	0.3	4.7	9.8
TOTAL	357.	100.0	1691.9	3505.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	11.	5.2	52.1	108.0
LEUROGLOSSUS STILBIUS	34.	16.2	161.1	333.9
MERLUCCIUS PRODUCTUS	145.	69.0	687.2	1423.9
THERAGRA CHALCOGRAMMA	8.	3.8	37.9	78.6
SCORPAENIDAE(FAMILY)	10.	4.8	47.4	98.2
CYCLOPTERIDAE(FAMILY)	1.	0.5	4.7	9.8
INOPSETTA ISCHYRA	1.	0.5	4.7	9.8
TOTAL	210.	100.0	995.3	2062.2

TABLE:	194	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	34	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	29/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.6 C	VOL. FILTERED:	377 M3
POSITION:	49 13.3 N 123 43.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	65 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	392 M	TIME OF TOW:	1652 HR	ALIQUOT:	
		DEPTH OF TOW:	365 M	S.H.F.:	9.69

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	60.	4.1	159.2	581.4
MERLUCCIUS PRODUCTUS	1353.	92.9	3588.9	13110.6
THERAGRA CHALCOGRAMMA	42.	2.9	111.4	407.0
LYOPSETTA EXILIS	2.	0.1	5.3	19.4
TOTAL	1457.	100.0	3864.7	14118.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	5.	0.5	13.3	48.4
LEUROGLOSSUS STILBIUS	66.	6.0	175.1	639.5
MYCTOPHIDAE(FAMILY)	2.	0.2	5.3	19.4
MERLUCCIUS PRODUCTUS	966.	87.8	2562.3	9360.5
MICROGADUS PROXIMUS	4.	0.4	10.6	38.8
THERAGRA CHALCOGRAMMA	35.	3.2	92.8	339.1
SCORPAENIDAE(FAMILY)	22.	2.0	58.4	213.2
TOTAL	1100.	100.0	2917.8	10659.0

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	2.7	9.7
TOTAL	1.	100.0	2.7	9.7

TABLE:	195	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	35	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	29/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.4 C	VOL. FILTERED:	141 M3
POSITION:	49 10.0 N 123 41.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	62 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	154 M	TIME OF TOW:	1820 HR	ALIQUOT:	
		DEPTH OF TOW:	154 M	S.H.F.:	10.91

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	17.	60.7	120.6	185.5
LEUROGLOSSUS STILBIUS	2.	7.1	14.2	21.8
MERLUCCIUS PRODUCTUS	5.	17.9	35.5	54.5
THERAGRA CHALCOGRAMMA	4.	14.3	28.4	43.6
TOTAL	28.	100.0	198.6	305.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	1.	16.7	7.1	10.9
MERLUCCIUS PRODUCTUS	1.	16.7	7.1	10.9
THERAGRA CHALCOGRAMMA	2.	33.3	14.2	21.8
SCORPAENIDAE(FAMILY)	2.	33.3	14.2	21.8
TOTAL	6.	100.0	42.6	65.5

TABLE:	196	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	36	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	30/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.2 C	VOL. FILTERED:	180 M3
POSITION:	49 7.7 N 123 36.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	58 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	176 M	TIME OF TOW:	0527 HR	ALIQUOT:	
		DEPTH OF TOW:	163 M	S.H.F.:	9.08

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	5.	13.9	27.8	45.4
MERLUCCIUS PRODUCTUS	24.	66.7	133.3	217.9
THERAGRA CHALCOGRAMMA	3.	8.3	16.7	27.2
LYOPSETTA EXILIS	4.	11.1	22.2	36.3
TOTAL	36.	100.0	200.0	326.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	67.	34.7	372.2	608.4
MERLUCCIUS PRODUCTUS	109.	56.5	605.6	989.7
THERAGRA CHALCOGRAMMA	3.	1.6	16.7	27.2
GOBIIDAE(FAMILY)	1.	0.5	5.6	9.1
SCORPAENIDAE(FAMILY)	11.	5.7	61.1	99.9
INOPSETTA ISCHYRA	1.	0.5	5.6	9.1
LYOPSETTA EXILIS	1.	0.5	5.6	9.1
TOTAL	193.	100.0	1072.2	1752.4

TABLE:	197	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	37	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	30/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.3 C	VOL. FILTERED:	335 M3
POSITION:	49 11.6 N 123 34.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	59 . 31	BT/XBT NUMBER:	11	PLANKTON CONC.:	
BOTTOM DEPTH:	360 M	TIME OF TOW:	0616 HR	ALIQUOT:	
		DEPTH OF TOW:	350 M	S.H.F.:	10.44

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	57.	6.1	170.1	595.1
MERLUCCIUS PRODUCTUS	817.	87.1	2438.8	8529.5
THERAGRA CHALCOGRAMMA	64.	6.8	191.0	668.2
TOTAL	938.	100.0	2800.0	9792.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES				
CLUPEA HARENGUS	1.	0.1	3.0	10.4
LEUROGLOSSUS STILBIUS	4.	0.4	11.9	41.8
MERLUCCIUS PRODUCTUS	54.	5.9	161.2	563.8
THERAGRA CHALCOGRAMMA	839.	91.4	2504.5	8759.2
SCORPAENIDAE(FAMILY)	7.	0.8	20.9	73.1
CYCLOPTERIDAE(FAMILY)	12.	1.3	35.8	125.3
	1.	0.1	3.0	10.4
TOTAL	918.	100.0	2740.3	9583.9

TABLE:	198	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	38	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	30/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.8 C	VOL. FILTERED:	310 M3
POSITION:	49 13.3 N 123 37.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	62 . 31	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	376 M	TIME OF TOW:	0707 HR	ALIQUOT:	
		DEPTH OF TOW:	373 M	S.H.F.:	12.04

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	39.	3.7	125.8	469.6
MERLUCCIUS PRODUCTUS	977.	91.5	3151.6	11763.1
THERAGRA CHALCOGRAMMA	52.	4.9	167.7	626.1
TOTAL	1068.	100.0	3445.2	12858.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	16.	1.7	51.6	192.6
LEUROGLOSSUS STILBIUS	40.	4.3	129.0	481.6
MERLUCCIUS PRODUCTUS	861	92.3	2777.4	10366.4
THERAGRA CHALCOGRAMMA	6.	0.6	19.4	72.2
LYCODAPUS MANDIBULARIS	1.	0.1	3.2	12.0
SCORPAENIDAE(FAMILY)	9.	1.0	29.0	108.4
TOTAL	933.	100.0	3009.7	11233.3

TABLE:	199	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	39	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	30/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.6 C	VOL. FILTERED:	314 M3
POSITION:	49 14.2 N 123 33.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	60 . 28	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	350 M	TIME OF TOW:	0814 HR	ALIQUOT:	
		DEPTH OF TOW:	340 M	S.H.F.:	10.83

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	64.	7.7	203.8	693.1
MERLUCCIUS PRODUCTUS	684.	82.4	2178.3	7407.7
THERAGRA CHALCOGRAMMA	82.	9.9	261.1	888.1
TOTAL	830.	100.0	2643.3	8988.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	4.	0.5	12.7	43.3
LEUROGLOSSUS STILBIUS	42.	4.7	133.8	454.9
MERLUCCIUS PRODUCTUS	828.	93.2	2636.9	8967.2
THERAGRA CHALCOGRAMMA	7.	0.8	22.3	75.8
AMMODYTES HEXAPTERUS	1.	0.1	3.2	10.8
SCORPAENIDAE(FAMILY)	4.	0.5	12.7	43.3
COTTIDAE(FAMILY)	1.	0.1	3.2	10.8
REINHARDTIUS HIPPOGLOSSOIDES	1.	0.1	3.2	10.8
TOTAL	888.	100.0	2828.0	9617.0

TABLE:	200	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	40	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	30/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.8 C	VOL. FILTERED:	270 M3
POSITION:	49 14.6 N 123 27.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	57 . 26	BT/XBT NUMBER:	12	PLANKTON CONC.:	
BOTTOM DEPTH:	285 M	TIME OF TOW:	0908 HR	ALIQUOT:	
		DEPTH OF TOW:	272 M	S.H.F.:	10.06

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	10.	3.2	37.0	100.6
MERLUCCIUS PRODUCTUS	270.	86.0	1000.0	2716.2
THERAGRA CHALCOGRAMMA	34.	10.8	125.9	342.0
TOTAL	314.	100.0	1163.0	3158.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	1.	0.2	3.7	10.1
LEUROGLOSSUS STILBIUS	41.	9.2	151.9	412.5
MERLUCCIUS PRODUCTUS	368.	82.7	1363.0	3702.1
THERAGRA CHALCOGRAMMA	31.	7.0	114.8	311.9
SCORPAENIDAE(FAMILY)	3.	0.7	11.1	30.2
INOPSETTA ISCHYRA	1.	0.2	3.7	10.1
TOTAL	445.	100.0	1648.1	4476.7

TABLE:	201	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	41	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	30/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	11.2 C	VOL. FILTERED:	140 M3
POSITION:	49 18.2 N 123 27.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	59 . 23	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	140 M	TIME OF TOW:	0957 HR	ALIQUOT:	
		DEPTH OF TOW:	132 M	S.H.F.:	9.42

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	10.0	14.3	18.8
MERLUCCIUS PRODUCTUS	2.	10.0	14.3	18.8
THERAGRA CHALCOGRAMMA	12.	60.0	85.7	113.0
LYOPSETTA EXILIS	4.	20.0	28.6	37.7
TOTAL	20.	100.0	142.9	188.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	16.	11.8	114.3	150.7
LEUROGLOSSUS STILBIUS	22.	16.2	157.1	207.2
MERLUCCIUS PRODUCTUS	63.	46.3	450.0	593.5
THERAGRA CHALCOGRAMMA	22.	16.2	157.1	207.2
SCORPAENIDAE(FAMILY)	12.	8.8	85.7	113.0
INOPSETTA ISCHYRA	1.	0.7	7.1	9.4
TOTAL	136.	100.0	971.4	1281.1

TABLE:	202	WIND DIRECTION:	90 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	42	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	30/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	11.2 C	VOL. FILTERED:	214 M3
POSITION:	49 19.0 N 123 20.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	56 . 20	BT/XBT NUMBER:	13	PLANKTON CONC.:	
BOTTOM DEPTH:	202 M	TIME OF TOW:	1045 HR	ALIQUOT:	
		DEPTH OF TOW:	188 M	S.H.F.:	8.79

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	9.	4.8	42.1	79.1
LEUROGLOSSUS STILBIUS	21.	11.2	98.1	184.6
MERLUCCIUS PRODUCTUS	148.	78.7	691.6	1300.9
THERAGRA CHALCOGRAMMA	10.	5.3	46.7	87.9
TOTAL	188.	100.0	878.5	1652.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	2.	1.0	9.3	17.6
LEUROGLOSSUS STILBIUS	19.	9.4	88.8	167.0
MERLUCCIUS PRODUCTUS	164.	80.8	766.4	1441.6
THERAGRA CHALCOGRAMMA	6.	3.0	28.0	52.7
BATHYMASTERIDAE(FAMILY)	2.	1.0	9.3	17.6
SCORPAENIDAE(FAMILY)	7.	3.4	32.7	61.5
CYCLOPTERIDAE(FAMILY)	1.	0.5	4.7	8.8
INOPSETTA ISCHYRA	2.	1.0	9.3	17.6
TOTAL	203.	100.0	948.6	1784.4

TABLE:	203	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	43	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	30/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.9 C	VOL. FILTERED:	212 M3
POSITION:	49 16.5 N 123 23.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	56 . 23	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	226 M	TIME OF TOW:	1125 HR	ALIQUOT:	
		DEPTH OF TOW:	223 M	S.H.F.:	10.51

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	4.	1.3	18.9	42.0
LEUROGLOSSUS STILBIUS	16.	5.1	75.5	168.2
MERLUCCIUS PRODUCTUS	278.	88.8	1311.3	2921.8
THERAGRA CHALCOGRAMMA	12.	3.8	56.6	126.1
LYOPSETTA EXILIS	3.	1.0	14.2	31.5
TOTAL	313.	100.0	1476.4	3289.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	32.	15.7	150.9	336.3
MYCTOPHIDAE(FAMILY)	1.	0.5	4.7	10.5
MERLUCCIUS PRODUCTUS	156.	76.5	735.8	1639.6
THERAGRA CHALCOGRAMMA	10.	4.9	47.2	105.1
GOBIIDAE(FAMILY)	1.	0.5	4.7	10.5
SCORPAENIDAE(FAMILY)	4.	2.0	18.9	42.0
TOTAL	204.	100.0	962.3	2144.0

TABLE:	204	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	44	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	30/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	11.4 C	VOL. FILTERED:	180 M3
POSITION:	49 14.9 N 123 19.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	53 . 23	BT/XBT NUMBER:	14	PLANKTON CONC.:	
BOTTOM DEPTH:	190 M	TIME OF TOW:	1230 HR	ALIQUOT:	
		DEPTH OF TOW:	185 M	S.H.F.:	10.27

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	4.	6.8	22.2	41.1
LEUROGLOSSUS STILBIUS	2.	3.4	11.1	20.5
MERLUCCIUS PRODUCTUS	38.	64.4	211.1	390.3
THERAGRA CHALCOGRAMMA	15.	25.4	83.3	154.1
TOTAL	59.	100.0	327.8	605.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	18.	12.9	100.0	184.9
MERLUCCIUS PRODUCTUS	105.	75.0	583.3	1078.4
THERAGRA CHALCOGRAMMA	9.	6.4	50.0	92.4
GOBIIDAE(FAMILY)	1.	0.7	5.6	10.3
SCORPAENIDAE(FAMILY)	7.	5.0	38.9	71.9
TOTAL	140.	100.0	777.8	1437.8

TABLE:	205	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	45	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	30/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	11.2 C	VOL. FILTERED:	272 M3
POSITION:	49 12.9 N 123 23.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	54 . 26	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	276 M	TIME OF TOW:	1315 HR	ALIQUOT:	
		DEPTH OF TOW:	267 M	S.H.F.:	9.81

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	6.	3.2	22.1	58.9
LEUROGLOSSUS STILBIUS	8.	4.2	29.4	78.5
MERLUCCIUS PRODUCTUS	151.	79.5	555.1	1481.3
THERAGRA CHALCOGRAMMA	20.	10.5	73.5	196.2
LYOPSETTA EXILIS	5.	2.6	18.4	49.1
TOTAL	190.	100.0	698.5	1863.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	38.	11.0	139.7	372.8
MERLUCCIUS PRODUCTUS	288.	83.7	1058.8	2825.3
THERAGRA CHALCOGRAMMA	11.	3.2	40.4	107.9
BATHYMASTERIDAE(FAMILY)	1.	0.3	3.7	9.8
SCORPAENIDAE(FAMILY)	5.	1.5	18.4	49.1
LYOPSETTA EXILIS	1.	0.3	3.7	9.8
TOTAL	344.	100.0	1264.7	3374.6

TABLE:	206	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	46	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	30/ 4/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	12.2 C	VOL. FILTERED:	165 M3
POSITION:	49 11.3 N 123 19.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	51 . 26	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	166 M	TIME OF TOW:	1402 HR	ALIQUOT:	
		DEPTH OF TOW:	151 M	S.H.F.:	9.16

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	10.	50.0	60.6	91.6
MERLUCCIUS PRODUCTUS	5.	25.0	30.3	45.8
THERAGRA CHALCOGRAMMA	4.	20.0	24.2	36.6
LYOPSETTA EXILIS	1.	5.0	6.1	9.2
TOTAL	20.	100.0	121.2	183.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	1.	0.4	6.1	9.2
LEUROGLOSSUS STILBIUS	31.	13.6	187.9	284.0
MERLUCCIUS PRODUCTUS	183.	80.3	1109.1	1676.3
THERAGRA CHALCOGRAMMA	6.	2.6	36.4	55.0
GOBIIDAE(FAMILY)	1.	0.4	6.1	9.2
SCORPAENIDAE(FAMILY)	5.	2.2	30.3	45.8
INOPSETTA ISCHYRA	1.	0.4	6.1	9.2
TOTAL	228.	100.0	1381.8	2088.5

TABLE:	207	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	47	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	30/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	11.5 C	VOL. FILTERED:	209 M3
POSITION:	49 9.9 N 123 24.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	53 . 29	BT/XBT NUMBER:	15	PLANKTON CONC.:	
BOTTOM DEPTH:	229 M	TIME OF TOW:	1445 HR	ALIQUOT:	
		DEPTH OF TOW:	229 M	S.H.F.:	10.93

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	7.	77.8	33.5	76.5
THERAGRA CHALCOGRAMMA	2.	22.2	9.6	21.9
TOTAL	9.	100.0	43.1	98.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	31.	40.8	148.3	338.8
MERLUCCIUS PRODUCTUS	38.	50.0	181.8	415.3
THERAGRA CHALCOGRAMMA	2.	2.6	9.6	21.9
SCORPAENIDAE(FAMILY)	5.	6.6	23.9	54.7
TOTAL	76.	100.0	363.6	830.7

TABLE:	208	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	48	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	30/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	11.9 C	VOL. FILTERED:	310 M3
POSITION:	49 11.6 N 123 28.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	56 . 29	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	324 M	TIME OF TOW:	1530 HR	ALIQUOT:	
		DEPTH OF TOW:	314 M	S.H.F.:	10.14

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	3.	1.9	9.7	30.4
LEUROGLOSSUS STILBIUS	10.	6.3	32.3	101.4
MERLUCCIUS PRODUCTUS	136.	86.1	438.7	1379.0
THERAGRA CHALCOGRAMMA	7.	4.4	22.6	71.0
LYOPSETTA EXILIS	2.	1.3	6.5	20.3
TOTAL	158.	100.0	509.7	1602.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	47.	14.0	151.6	476.6
MERLUCCIUS PRODUCTUS	284.	84.5	916.1	2879.8
THERAGRA CHALCOGRAMMA	1.	0.3	3.2	10.1
SCORPAENIDAE(FAMILY)	3.	0.9	9.7	30.4
LYOPSETTA EXILIS	1.	0.3	3.2	10.1
TOTAL	336.	100.0	1083.9	3407.0

TABLE:	209	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	49	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	30/ 4/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.8 C	VOL. FILTERED:	285 M3
POSITION:	49 8.5 N 123 29.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	55 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	335 M	TIME OF TOW:	1617 HR	ALIQUOT:	
		DEPTH OF TOW:	325 M	S.H.F.:	11.42

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES				
LEUROGLOSSUS STILBIUS	2.	0.9	7.0	22.8
MERLUCCIUS PRODUCTUS	5.	2.3	17.5	57.1
THERAGRA CHALCOGRAMMA	198.	92.1	694.7	2261.2
LYOPSETTA EXILIS	7.	3.3	24.6	79.9
	3.	1.4	10.5	34.3
TOTAL	215.	100.0	754.4	2455.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	47.	13.1	164.9	536.7
MERLUCCIUS PRODUCTUS	302.	83.9	1059.6	3448.8
THERAGRA CHALCOGRAMMA	7.	1.9	24.6	79.9
SCORPAENIDAE(FAMILY)	3.	0.8	10.5	34.3
AGONIDAE(FAMILY)	1.	0.3	3.5	11.4
TOTAL	360.	100.0	1263.2	4111.2

TABLE:	210	WIND DIRECTION:	90 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	50	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 5/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.3 C	VOL. FILTERED:	153 M3
POSITION:	49 7.7 N 123 19.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	49 . 29	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	161 M	TIME OF TOW:	0615 HR	ALIQUOT:	
		DEPTH OF TOW:	151 M	S.H.F.:	9.85

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	3.	33.3	19.6	29.6
THERAGRA CHALCOGRAMMA	5.	55.6	32.7	49.3
LYOPSETTA EXILIS	1.	11.1	6.5	9.9
TOTAL	9.	100.0	58.8	88.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	2.	2.9	13.1	19.7
LEUROGLOSSUS STILBIUS	20.	29.4	130.7	197.0
MERLUCCIUS PRODUCTUS	38.	55.9	248.4	374.3
THERAGRA CHALCOGRAMMA	2.	2.9	13.1	19.7
SCORPAENIDAE(FAMILY)	3.	4.4	19.6	29.6
CYCLOPTERIDAE(FAMILY)	1.	1.5	6.5	9.9
INOPSETTA ISCHYRA	2.	2.9	13.1	19.7
TOTAL	68.	100.0	444.4	669.8

TABLE:	211	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	51	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 5/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.8 C	VOL. FILTERED:	202 M3
POSITION:	49 3.8 N 123 21.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	48 . 33	BT/XBT NUMBER:	16	PLANKTON CONC.:	
BOTTOM DEPTH:	225 M	TIME OF TOW:	0657 HR	ALIQUOT:	
		DEPTH OF TOW:	217 M	S.H.F.:	10.74

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	4.	4.3	19.8	43.0
MERLUCCIUS PRODUCTUS	41.	44.6	203.0	440.3
THERAGRA CHALCOGRAMMA	44.	47.8	217.8	472.6
LYOPSETTA EXILIS	3.	3.3	14.9	32.2
TOTAL	92.	100.0	455.4	988.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	2.	2.2	9.9	21.5
LEUROGLOSSUS STILBIUS	9.	10.0	44.6	96.7
MERLUCCIUS PRODUCTUS	73.	81.1	361.4	784.0
THERAGRA CHALCOGRAMMA	4.	4.4	19.8	43.0
SCORPAENIDAE(FAMILY)	2.	2.2	9.9	21.5
TOTAL	90.	100.0	445.5	966.6

TABLE:	212	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	6 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	52	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 5/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.2 C	VOL. FILTERED:	233 M3
POSITION:	49 6.3 N 123 24.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	51 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	253 M	TIME OF TOW:	0750 HR	ALIQUOT:	
		DEPTH OF TOW:	247 M	S.H.F.:	10.58

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	17.	5.9	73.0	179.9
MERLUCCIUS PRODUCTUS	160.	55.6	686.7	1692.8
THERAGRA CHALCOGRAMMA	109.	37.8	467.8	1153.2
LYOPSETTA EXILIS	2.	0.7	8.6	21.2
TOTAL	288.	100.0	1236.1	3047.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	1.	0.5	4.3	10.6
LEUROGLOSSUS STILBIUS	27.	12.9	115.9	285.7
MERLUCCIUS PRODUCTUS	161.	76.7	691.0	1703.4
THERAGRA CHALCOGRAMMA	12.	5.7	51.5	127.0
SCORPAENIDAE(FAMILY)	9.	4.3	38.6	95.2
TOTAL	210.	100.0	901.3	2221.8

TABLE: 213		WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE: SG 81- 8		WIND VELOCITY:	6 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.: 53		WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE: 1/ 5/81		SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL: CALIGUS		SURFACE TEMP:	10.3 C	VOL. FILTERED:	281 M3
POSITION: 49 3.3 N 123 26.0 W		STD NUMBER:		DISP. VOLUME:	
GRID POSITION: 50 . 35		BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH: 313 M		TIME OF TOW:	0830 HR	ALIQUOT:	
		DEPTH OF TOW:	310 M	S.H.F.:	11.02

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	0.5	7.1	22.0
LEUROGLOSSUS STILBIUS	19.	5.0	67.6	209.4
MERLUCCIUS PRODUCTUS	341.	90.0	1213.5	3757.8
THERAGRA CHALCOGRAMMA	17.	4.5	60.5	187.3
TOTAL	379.	100.0	1348.8	4176.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	34.	6.2	121.0	374.7
MERLUCCIUS PRODUCTUS	504.	91.6	1793.6	5554.1
MICROGADUS PROXIMUS	1.	0.2	3.6	11.0
THERAGRA CHALCOGRAMMA	5.	0.9	17.8	55.1
SCORPAENIDAE(FAMILY)	4.	0.7	14.2	44.1
CYCLOPTERIDAE(FAMILY)	1.	0.2	3.6	11.0
BOTHIDAE(FAMILY)	1.	0.2	3.6	11.0
TOTAL	550.	100.0	1957.3	6061.0

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.6	11.0
TOTAL	1.	100.0	3.6	11.0

TABLE:	214	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	54	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 5/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.5 C	VOL. FILTERED:	268 M3
POSITION:	49 4.9 N 123 29.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	53 . 35	BT/XBT NUMBER:	17	PLANKTON CONC.:	
BOTTOM DEPTH:	315 M	TIME OF TOW:	0912 HR	ALIQUOT:	
		DEPTH OF TOW:	304 M	S.H.F.:	11.35

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	32.	7.7	119.4	363.2
MERLUCCIUS PRODUCTUS	343.	82.7	1279.9	3893.1
THERAGRA CHALCOGRAMMA	39.	9.4	145.5	442.7
LYOPSETTA EXILIS	1.	0.2	3.7	11.4
TOTAL	415.	100.0	1548.5	4710.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	1.	0.2	3.7	11.4
LEUROGLOSSUS STILBIUS	48.	9.9	179.1	544.8
MERLUCCIUS PRODUCTUS	419.	86.7	1563.4	4755.7
THERAGRA CHALCOGRAMMA	9.	1.9	33.6	102.2
SCORPAENIDAE(FAMILY)	3.	0.6	11.2	34.1
LYOPSETTA EXILIS	3.	0.6	11.2	34.1
TOTAL	483.	100.0	1802.2	5482.0

TABLE:	215	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	55	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 5/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.1 C	VOL. FILTERED:	206 M3
POSITION:	49 3.6 N 123 34.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	55 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	200 M	TIME OF TOW:	1007 HR	ALIQUOT:	
		DEPTH OF TOW:	197 M	S.H.F.:	9.57

EGGS

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	12.	8.7	58.3	114.8
MERLUCCIUS PRODUCTUS	122.	88.4	592.2	1167.5
THERAGRA CHALCOGRAMMA	4.	2.9	19.4	38.3
TOTAL	138.	100.0	669.9	1320.7

LARVAE

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	47.	19.3	228.2	449.8
MERLUCCIUS PRODUCTUS	186.	76.2	902.9	1780.0
THERAGRA CHALCOGRAMMA	4.	1.6	19.4	38.3
SCORPAENIDAE(FAMILY)	7.	2.9	34.0	67.0
TOTAL	244.	100.0	1184.5	2335.1

TABLE:	216	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	56	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 5/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.3 C	VOL. FILTERED:	225 M3
POSITION:	49 1.9 N 123 31.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	52 . 38	BT/XBT NUMBER:	18	PLANKTON CONC.:	
BOTTOM DEPTH:	246 M	TIME OF TOW:	1053 HR	ALIQUOT:	
		DEPTH OF TOW:	239 M	S.H.F.:	10.64

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	29.	9.5	128.9	308.6
MERLUCCIUS PRODUCTUS	259.	85.2	1151.1	2755.8
THERAGRA CHALCOGRAMMA	16.	5.3	71.1	170.2
TOTAL	304.	100.0	1351.1	3234.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	38.	12.7	168.9	404.3
MERLUCCIUS PRODUCTUS	247.	82.3	1097.8	2628.1
THERAGRA CHALCOGRAMMA	7.	2.3	31.1	74.5
SCORPAENIDAE(FAMILY)	7.	2.3	31.1	74.5
CYCLOPTERIDAE(FAMILY)	1.	0.3	4.4	10.6
TOTAL	300.	100.0	1333.3	3192.0

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	100.0	8.9	21.3
TOTAL	2.	100.0	8.9	21.3

TABLE:	217	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	57	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 5/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.6 C	VOL. FILTERED:	222 M3
POSITION:	49 0.2 N 123 27.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	49 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	235 M	TIME OF TOW:	1136 HR	ALIQUOT:	
		DEPTH OF TOW:	232 M	S.H.F.:	10.47

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	8.	1.8	36.0	83.8
LEUROGLOSSUS STILBIUS	31.	7.0	139.6	324.6
MERLUCCIUS PRODUCTUS	377.	84.5	1698.2	3947.2
THERAGRA CHALCOGRAMMA	29.	6.5	130.6	303.6
LYOPSETTA EXILIS	1.	0.2	4.5	10.5
TOTAL	446.	100.0	2009.0	4669.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	1.	0.2	4.5	10.5
LEUROGLOSSUS STILBIUS	37.	8.1	166.7	387.4
MERLUCCIUS PRODUCTUS	402.	87.8	1810.8	4208.9
MICROGADUS PROXIMUS	1.	0.2	4.5	10.5
THERAGRA CHALCOGRAMMA	7.	1.5	31.5	73.3
SCORPAENIDAE(FAMILY)	8.	1.7	36.0	83.8
COTTIDAE(FAMILY)	2.	0.4	9.0	20.9
TOTAL	458.	100.0	2063.1	4795.3

TABLE: 218
CRUISE: SG 81- 8
SAMPLE NO.: 58
DATE: 1/ 5/81
VESSEL: CALIGUS
POSITION: 48 57.7 N 123 24.4 W
GRID POSITION: 46 . 39
BOTTOM DEPTH: 209 M

WIND DIRECTION: 180 DEG
WIND VELOCITY: 7 MPS
WAVE HEIGHT:
SWELL HEIGHT: 0 M
SURFACE TEMP: 10.6 C
STD NUMBER:
BT/XBT NUMBER: 19
TIME OF TOW: 1220 HR
DEPTH OF TOW: 206 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 192 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 10.74

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.7	5.2	10.7
LEUROGLOSSUS STILBIUS	11.	7.9	57.3	118.1
MERLUCCIUS PRODUCTUS	93.	66.9	484.4	998.8
THERAGRA CHALCOGRAMMA	33.	23.7	171.9	354.4
LYOPSETTA EXILIS	1.	0.7	5.2	10.7
TOTAL	139.	100.0	724.0	1492.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	33.	12.6	171.9	354.4
MERLUCCIUS PRODUCTUS	215.	82.4	1119.8	2309.1
THERAGRA CHALCOGRAMMA	3.	1.1	15.6	32.2
SCORPAENIDAE(FAMILY)	9.	3.4	46.9	96.7
COTTIDAE(FAMILY)	1.	0.4	5.2	10.7
TOTAL	261.	100.0	1359.4	2803.1

TABLE:	219	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	59	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 5/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.6 C	VOL. FILTERED:	240 M3
POSITION:	49 0.2 N 123 21.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	46 . 36	BT/XBT NUMBER:	20	PLANKTON CONC.:	
BOTTOM DEPTH:	240 M.	TIME OF TOW:	1300 HR	ALIQUOT:	
		DEPTH OF TOW:	229 M	S.H.F.:	9.55

EGGS

	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.2	4.2	9.6
LEUROGLOSSUS STILBIUS	29.	6.7	120.8	277.0
MERLUCCIUS PRODUCTUS	290.	66.8	1208.3	2769.5
THERAGRA CHALCOGRAMMA	113.	26.0	470.8	1079.2
LYOPSETTA EXILIS	1.	0.2	4.2	9.6
TOTAL	434.	100.0	1808.3	4144.7

LARVAE

	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	18.	4.9	75.0	171.9
MERLUCCIUS PRODUCTUS	338.	91.4	1408.3	3227.9
THERAGRA CHALCOGRAMMA	12.	3.2	50.0	114.6
SCORPAENIDAE(FAMILY)	2.	0.5	8.3	19.1
TOTAL	370.	100.0	1541.7	3533.5

TABLE:	220	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	60	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 5/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.5 C	VOL. FILTERED:	153 M3
POSITION:	49 1.6 N 123 16.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	44 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	128 M	TIME OF TOW:	1345 HR	ALIQUOT:	
		DEPTH OF TOW:	121 M	S.H.F.:	7.93

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	28.6	13.1	15.9
MERLUCCIUS PRODUCTUS	1.	14.3	6.5	7.9
THERAGRA CHALCOGRAMMA	4.	57.1	26.1	31.7
TOTAL	7.	100.0	45.8	55.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
THALEICHTHYS PACIFICUS	1.	1.0	6.5	7.9
LEUROGLOSSUS STILBIUS	68.	66.7	444.4	539.2
MERLUCCIUS PRODUCTUS	15.	14.7	98.0	118.9
THERAGRA CHALCOGRAMMA	3.	2.9	19.6	23.8
SCORPAENIDAE(FAMILY)	12.	11.8	78.4	95.2
CYCLOPTERIDAE(FAMILY)	2.	2.0	13.1	15.9
INOPSETTA ISCHYRA	1.	1.0	6.5	7.9
TOTAL	102.	100.0	666.7	808.9

TABLE:	221	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	61	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 5/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	11.1 C	VOL. FILTERED:	148 M3
POSITION:	48 58.2 N 123 14.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	41 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	147 M	TIME OF TOW:	1425 HR	ALIQUOT:	
		DEPTH OF TOW:	140 M	S.H.F.:	9.46

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MFRLUCCIUS PRODUCTUS	8.	50.0	54.1	75.7
THERAGRA CHALCOGRAMMA	8.	50.0	54.1	75.7
TOTAL	16.	100.0	108.1	151.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	42.	40.4	283.8	397.3
MERLUCCIUS PRODUCTUS	55.	52.9	371.6	520.3
THERAGRA CHALCOGRAMMA	6.	5.8	40.5	56.8
SCORPAENIDAE(FAMILY)	1.	1.0	6.8	9.5
TOTAL	104.	100.0	702.7	983.8

TABLE:	222	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	62	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 5/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	11.1 C	VOL. FILTERED:	97 M3
POSITION:	48 56.8 N 123 8.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	37 . 34	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	110 M	TIME OF TOW:	1515 HR	ALIQUOT:	
		DEPTH OF TOW:	106 M	S.H.F.:	10.90

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	4.	100.0	41.2	43.6
TOTAL	4.	100.0	41.2	43.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	19.	33.9	195.9	207.1
MERLUCCIUS PRODUCTUS	16.	28.6	164.9	174.4
THERAGRA CHALCOGRAMMA	7.	12.5	72.2	76.3
SCORPAENIDAE(FAMILY)	13.	23.2	134.0	141.7
LYOPSETTA EXILIS	1.	1.8	10.3	10.9
TOTAL	56.	100.0	577.3	610.4

TABLE:	223	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	63	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 5/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.6 C	VOL. FILTERED:	156 M3
POSITION:	48 56.0 N 123 15.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	40 . 37	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	150 M	TIME OF TOW:	1622 HR	ALIQUOT:	
		DEPTH OF TOW:	147 M	S.H.F.:	9.45

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
THERAGRA CHALCOGRAMMA	5.	100.0	32.1	47.3
TOTAL	5.	100.0	32.1	47.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	36.	40.0	230.8	340.2
MERLUCCIUS PRODUCTUS	50.	55.6	320.5	472.5
THERAGRA CHALCOGRAMMA	1.	1.1	6.4	9.4
SCORPAENIDAE(FAMILY)	2.	2.2	12.8	18.9
LYOPSETTA EXILIS	1.	1.1	6.4	9.4
TOTAL	90.	100.0	576.9	850.5

TABLE:	224	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	64	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 5/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.6 C	VOL. FILTERED:	184 M3
POSITION:	48 57.7 N 123 18.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	43 . 37	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	190 M	TIME OF TOW:	1705 HR	ALIQUOT:	
		DEPTH OF TOW:	181 M	S.H.F.:	9.84

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	8.	18.6	43.5	78.7
MERLUCCIUS PRODUCTUS	15.	34.9	81.5	147.6
THERAGRA CHALCOGRAMMA	20.	46.5	108.7	196.8
TOTAL	43.	100.0	233.7	423.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	42.	34.1	228.3	413.3
MERLUCCIUS PRODUCTUS	75.	61.0	407.6	738.0
THERAGRA CHALCOGRAMMA	4.	3.3	21.7	39.4
SCORPAENIDAE(FAMILY)	2.	1.6	10.9	19.7
TOTAL	123.	100.0	668.5	1210.3

TABLE:	225	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	65	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 5/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.3 C	VOL. FILTERED:	173 M3
POSITION:	48 55.6 N 123 21.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	43 . 39	BT/XBT NUMBER:	21	PLANKTON CONC.:	
BOTTOM DEPTH:	179 M	TIME OF TOW:	1811 HR	ALIQUOT:	
		DEPTH OF TOW:	171 M	S.H.F.:	9.91

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	7.7	11.6	19.8
MERLUCCIUS PRODUCTUS	8.	30.8	46.2	79.3
THERAGRA CHALCOGRAMMA	16.	61.5	92.5	158.6
TOTAL	26.	100.0	150.3	257.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	37.	26.4	213.9	366.7
MERLUCCIUS PRODUCTUS	95.	67.9	549.1	941.5
THERAGRA CHALCOGRAMMA	1.	0.7	5.8	9.9
SCORPAENIDAE(FAMILY)	7.	5.0	40.5	69.4
TOTAL	140.	100.0	809.2	1387.4

TABLE:	226	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	66	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	1/ 5/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.5 C	VOL. FILTERED:	157 M3
POSITION:	48 54.4 N 123 16.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	40 . 39	BT/XBT NUMBER:	22	PLANKTON CONC.:	
BOTTOM DEPTH:	188 M	TIME OF TOW:	1845 HR	ALIQUOT:	
		DEPTH OF TOW:	188 M	S.H.F.:	12.00

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	8.	61.5	51.0	96.0
THERAGRA CHALCOGRAMMA	4.	30.8	25.5	48.0
LYOPSETTA EXILIS	1.	7.7	6.4	12.0
TOTAL	13.	100.0	82.8	156.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	42.	41.2	267.5	504.0
MERLUCCIUS PRODUCTUS	52.	51.0	331.2	624.0
THERAGRA CHALCOGRAMMA	1.	1.0	6.4	12.0
SCORPAENIDAE(FAMILY)	7.	6.9	44.6	84.0
TOTAL	102.	100.0	649.7	1224.0

TABLE:	227	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	67	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 5/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.3 C	VOL. FILTERED:	223 M3
POSITION:	48 52.3 N 123 13.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	37 . 39	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	202 M	TIME OF TOW:	0514 HR	ALIQUOT:	
		DEPTH OF TOW:	193 M	S.H.F.:	8.66

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	26.	59.1	116.6	225.2
THERAGRA CHALCOGRAMMA	16.	36.4	71.7	138.6
LYOPSETTA EXILIS	2.	4.5	9.0	17.3
TOTAL	44.	100.0	197.3	381.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	38.	46.3	170.4	329.1
MERLUCCIUS PRODUCTUS	32.	39.0	143.5	277.1
THERAGRA CHALCOGRAMMA	5.	6.1	22.4	43.3
SCORPAENIDAE(FAMILY)	6.	7.3	26.9	52.0
LYOPSETTA EXILIS	1.	1.2	4.5	8.7
TOTAL	82.	100.0	367.7	710.1

TABLE:	228	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	68	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 5/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.6 C	VOL. FILTERED:	129 M3
POSITION:	48 53.8 N 123 10.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	36 . 37	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	129 M	TIME OF TOW:	0554 HR	ALIQUOT:	
		DEPTH OF TOW:	122 M	S.H.F.:	9.44

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	8.	80.0	62.0	75.5
THERAGRA CHALCOGRAMMA	2.	20.0	15.5	18.9
TOTAL	10.	100.0	77.5	94.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	46.	41.8	356.6	434.2
MERLUCCIUS PRODUCTUS	58.	52.7	449.6	547.5
THERAGRA CHALCOGRAMMA	3.	2.7	23.3	28.3
SCORPAENIDAE(FAMILY)	3.	2.7	23.3	28.3
TOTAL	110.	100.0	852.7	1038.4

TABLE:	229
CRUISE:	SG 81- 8
SAMPLE NO.:	69
DATE:	2/ 5/81
VESSEL:	CALIGUS
POSITION:	48 50.6 N 123 9.6 W
GRID POSITION:	34 . 39
BOTTOM DEPTH:	184 M

WIND DIRECTION:	180 DEG
WIND VELOCITY:	3 MPS
WAVE HEIGHT:	
SWELL HEIGHT:	0 M
SURFACE TEMP:	9.5 C
STD NUMBER:	
BT/XBT NUMBER:	23
TIME OF TOW:	0633 HR
DEPTH OF TOW:	177 M

TOW SPEED:	1 MPS
TYPE OF TOW:	OBLIQUE
GEAR TYPE:	BONGO .25 M2
MESH SIZE:	.351 MM
VOL. FILTERED:	191 M3
DISP. VOLUME:	
PLANKTON CONC.:	
ALIQUOT:	
S.H.F.:	9.27

EGGS

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	6.3	5.2	9.3
MERLUCCIUS PRODUCTUS	11.	68.8	57.6	102.0
THERAGRA CHALCOGRAMMA	3.	18.8	15.7	27.8
LYOPSETTA EXILIS	1.	6.3	5.2	9.3
TOTAL	16.	100.0	83.8	148.3

LARVAE

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	1.4	5.2	9.3
CLUPEA HARENGUS	1.	1.4	5.2	9.3
LEUROGLOSSUS STILBIUS	29.	39.2	151.8	268.8
MERLUCCIUS PRODUCTUS	25.	33.8	130.9	231.8
THERAGRA CHALCOGRAMMA	3.	4.1	15.7	27.8
SCORPAENIDAE(FAMILY)	15.	20.3	78.5	139.1
TOTAL	74.	100.0	387.4	686.0

TABLE:	230	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	70	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 5/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.5 C	VOL. FILTERED:	125 M3
POSITION:	48 49.1 N 123 7.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	32 . 40	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	129 M	TIME OF TOW:	0725 HR	ALIQUOT:	
		DEPTH OF TOW:	128 M	S.H.F.:	10.28

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	1.	50.0	8.0	10.3
LYOPSETTA EXILIS	1.	50.0	8.0	10.3
TOTAL	2.	100.0	16.0	20.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	23.	28.4	184.0	236.4
MERLUCCIUS PRODUCTUS	29.	35.8	232.0	298.1
THERAGRA CHALCOGRAMMA	9.	11.1	72.0	92.5
BATHYMASTERIDAE(FAMILY)	1.	1.2	8.0	10.3
SCORPAENIDAE(FAMILY)	19.	23.5	152.0	195.3
TOTAL	81.	100.0	648.0	832.7

TABLE:	231	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	71	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 5/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.0 C	VOL. FILTERED:	207 M3
POSITION:	48 49.7 N 123 5.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	31 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	194 M	TIME OF TOW:	0854 HR	ALIQUOT:	
		DEPTH OF TOW:	185 M	S.H.F.:	8.93

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	5.	83.3	24.2	44.7
LYOPSETTA EXILIS	1.	16.7	4.8	8.9
TOTAL	6.	100.0	29.0	53.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	49.	33.6	236.7	437.6
MERLUCCIUS PRODUCTUS	74.	50.7	357.5	660.8
THERAGRA CHALCOGRAMMA	2.	1.4	9.7	17.9
AMMODYTES HEXAPTERUS	2.	1.4	9.7	17.9
SCORPAENIDAE(FAMILY)	19.	13.0	91.8	169.7
TOTAL	146.	100.0	705.3	1303.8

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
INOPSETTA ISCHYRA	1.	100.0	4.8	8.9
TOTAL	1.	100.0	4.8	8.9

TABLE:	232	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	72	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 5/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.9 C	VOL. FILTERED:	167 M3
POSITION:	48 48.6 N 123 2.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	29 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	184 M	TIME OF TOW:	0825 HR	ALIQUOT:	
		DEPTH OF TOW:	168 M	S.H.F.:	10.08

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	3.	100.0	18.0	30.2
TOTAL	3.	100.0	18.0	30.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	20.	36.4	119.8	201.6
MERLUCCIUS PRODUCTUS	21.	38.2	125.7	211.7
THERAGRA CHALCOGRAMMA	4.	7.3	24.0	40.3
AMMODYTES HEXAPTERUS	2.	3.6	12.0	20.2
SCORPAENIDAE(FAMILY)	7.	12.7	41.9	70.6
COTTIDAE(FAMILY)	1.	1.8	6.0	10.1
TOTAL	55.	100.0	329.3	554.4

TABLE:	233	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	6 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	73	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 5/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.1 C	VOL. FILTERED:	181 M3
POSITION:	48 49.3 N 122 59.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	28 . 37	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	201 M	TIME OF TOW:	0858 HR	ALIQUOT:	
		DEPTH OF TOW:	190 M	S.H.F.:	10.49

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES				
CLUPEA HARENGUS	1.	2.4	5.5	10.5
LEUROGLOSSUS STILBIUS	4.	9.8	22.1	42.0
MERLUCCIUS PRODUCTUS	3.	7.3	16.6	31.5
THERAGRA CHALCOGRAMMA	12.	29.3	66.3	125.9
SCORPAENIDAE(FAMILY)	5.	12.2	27.6	52.5
	16.	39.0	88.4	167.8
TOTAL	41.	100.0	226.5	430.1

TABLE:	234	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	6 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	74	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 5/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.3 C	VOL. FILTERED:	156 M3
POSITION:	48 51.8 N 123 2.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	31 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	165 M	TIME OF TOW:	0941 HR	ALIQUOT:	
		DEPTH OF TOW:	159 M	S.H.F.:	10.17

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	6.	100.0	38.5	61.0
TOTAL	6.	100.0	38.5	61.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	112.	78.3	717.9	1139.0
MERLUCCIUS PRODUCTUS	22.	15.4	141.0	223.7
THERAGRA CHALCOGRAMMA	3.	2.1	19.2	30.5
SCORPAENIDAE(FAMILY)	6.	4.2	38.5	61.0
TOTAL	143.	100.0	916.7	1454.3

TABLE:	235	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	75	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 5/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.3 C	VOL. FILTERED:	134 M3
POSITION:	48 55.4 N 123 2.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	33 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	127 M	TIME OF TOW:	1025 HR	ALIQUOT:	
		DEPTH OF TOW:	123 M	S.H.F.:	9.17

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	6.	100.0	44.8	55.0
TOTAL	6.	100.0	44.8	55.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	2.	3.6	14.9	18.3
LEUROGLOSSUS STILBIUS	39.	69.6	291.0	357.6
MERLUCCIUS PRODUCTUS	11.	19.6	82.1	100.9
AMMODYTES HEXAPTERUS	3.	5.4	22.4	27.5
SCORPAENIDAE(FAMILY)	1.	1.8	7.5	9.2
TOTAL	56.	100.0	417.9	513.5

TABLE:	236	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	7 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	76	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 5/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.7 C	VOL. FILTERED:	121 M3
POSITION:	48 54.0 N 122 56.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	29 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	117 M	TIME OF TOW:	1111 HR	ALIQUOT:	
		DEPTH OF TOW:	116 M	S.H.F.:	9.63

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	1.	2.5	8.3	9.6
LEUROGLOSSUS STILBIUS	17.	42.5	140.5	163.7
MERLUCCIUS PRODUCTUS	11.	27.5	90.9	105.9
THERAGRA CHALCOGRAMMA	4.	10.0	33.1	38.5
SCORPAENIDAE(FAMILY)	7.	17.5	57.9	67.4
TOTAL	40.	100.0	3[illegible]6	385.2

TABLE:	237	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	77	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 5/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.3 C	VOL. FILTERED:	201 M3
POSITION:	48 51.7 N 122 58.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	28 . 34	BT/XBT NUMBER:	24	PLANKTON CONC.:	
BOTTOM DEPTH:	211 M	TIME OF TOW:	1155 HR	ALIQUOT:	
		DEPTH OF TOW:	200 M	S.H.F.:	9.97

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	3.	100.0	14.9	29.9
TOTAL	3.	100.0	14.9	29.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	1.	1.9	5.0	10.0
LEUROGLOSSUS STILBIUS	11.	21.2	54.7	109.7
MERLUCCIUS PRODUCTUS	17.	32.7	84.6	169.5
THERAGRA CHALCOGRAMMA	2.	3.8	10.0	19.9
APODICHTHYS FLAVIDUS	1.	1.9	5.0	10.0
GOBIIDAE(FAMILY)	1.	1.9	5.0	10.0
SCORPAENIDAE(FAMILY)	17.	32.7	84.6	169.5
CYCLOPTERIDAE(FAMILY)	1.	1.9	5.0	10.0
INOPSETTA ISCHYRA	1.	1.9	5.0	10.0
TOTAL	52.	100.0	258.7	518.4

TABLE:	238	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	78	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 5/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.6 C	VOL. FILTERED:	176 M3
POSITION:	48 50.7 N 122 54.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	26 . 34	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	180 M	TIME OF TOW:	1242 HR	ALIQUOT:	
		DEPTH OF TOW:	180 M	S.H.F.:	10.25

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	7.	100.0	39.8	71.8
TOTAL	7.	100.0	39.8	71.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	15.	42.9	85.2	153.8
MERLUCCIUS PRODUCTUS	7.	20.0	39.8	71.8
AMMODYTES HEXAPTERUS	2.	5.7	11.4	20.5
SCORPAENIDAE(FAMILY)	11.	31.4	62.5	112.8
TOTAL	35.	100.0	198.9	358.8

TABLE:	239	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	79	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 5/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.8 C	VOL. FILTERED:	174 M3
POSITION:	48 48.5 N 122 55.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	25 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	199 M	TIME OF TOW:	1325 HR	ALIQUOT:	
		DEPTH OF TOW:	199 M	S.H.F.:	11.44

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	3.	100.0	17.2	34.3
TOTAL	3.	100.0	17.2	34.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	1.	2.6	5.7	11.4
LEUROGLOSSUS STILBIUS	10.	26.3	57.5	114.4
MERLUCCIUS PRODUCTUS	11.	28.9	63.2	125.8
THERAGRA CHALCOGRAMMA	2.	5.3	11.5	22.9
AMMODYTES HEXAPTERUS	1.	2.6	5.7	11.4
SCORPAENIDAE(FAMILY)	11.	28.9	63.2	125.8
COTTIDAE(FAMILY)	1.	2.6	5.7	11.4
LYOPSETTA EXILIS	1.	2.6	5.7	11.4
TOTAL	38.	100.0	218.4	434.7

TABLE:	240	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 8	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	80	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 5/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.5 C	VOL. FILTERED:	235 M3
POSITION:	48 47.4 N 122 58.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	26 . 38	BT/XBT NUMBER:	25	PLANKTON CONC.:	
BOTTOM DEPTH:	277 M	TIME OF TOW:	1400 HR	ALIQUOT:	
		DEPTH OF TOW:	267 M	S.H.F.:	11.35

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	12.5	4.3	11.4
MERLUCCIUS PRODUCTUS	7.	87.5	29.8	79.5
TOTAL	8.	100.0	34.0	90.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	11.	12.6	46.8	124.9
MERLUCCIUS PRODUCTUS	23.	26.4	97.9	261.1
MICROGADUS PROXIMUS	3.	3.4	12.8	34.1
THERAGRA CHALCOGRAMMA	8.	9.2	34.0	90.8
AMMODYTES HEXAPTERUS	2.	2.3	8.5	22.7
SCORPAENIDAE(FAMILY)	35.	40.2	148.9	397.3
COTTIDAE(FAMILY)	1.	1.1	4.3	11.4
CYCLOPTERIDAE(FAMILY)	2.	2.3	8.5	22.7
INOPSETTA ISOLEPIS	1.	1.1	4.3	11.4
LYOPSETTA EXILIS	1.	1.1	4.3	11.4
TOTAL	87.	100.0	370.2	987.5

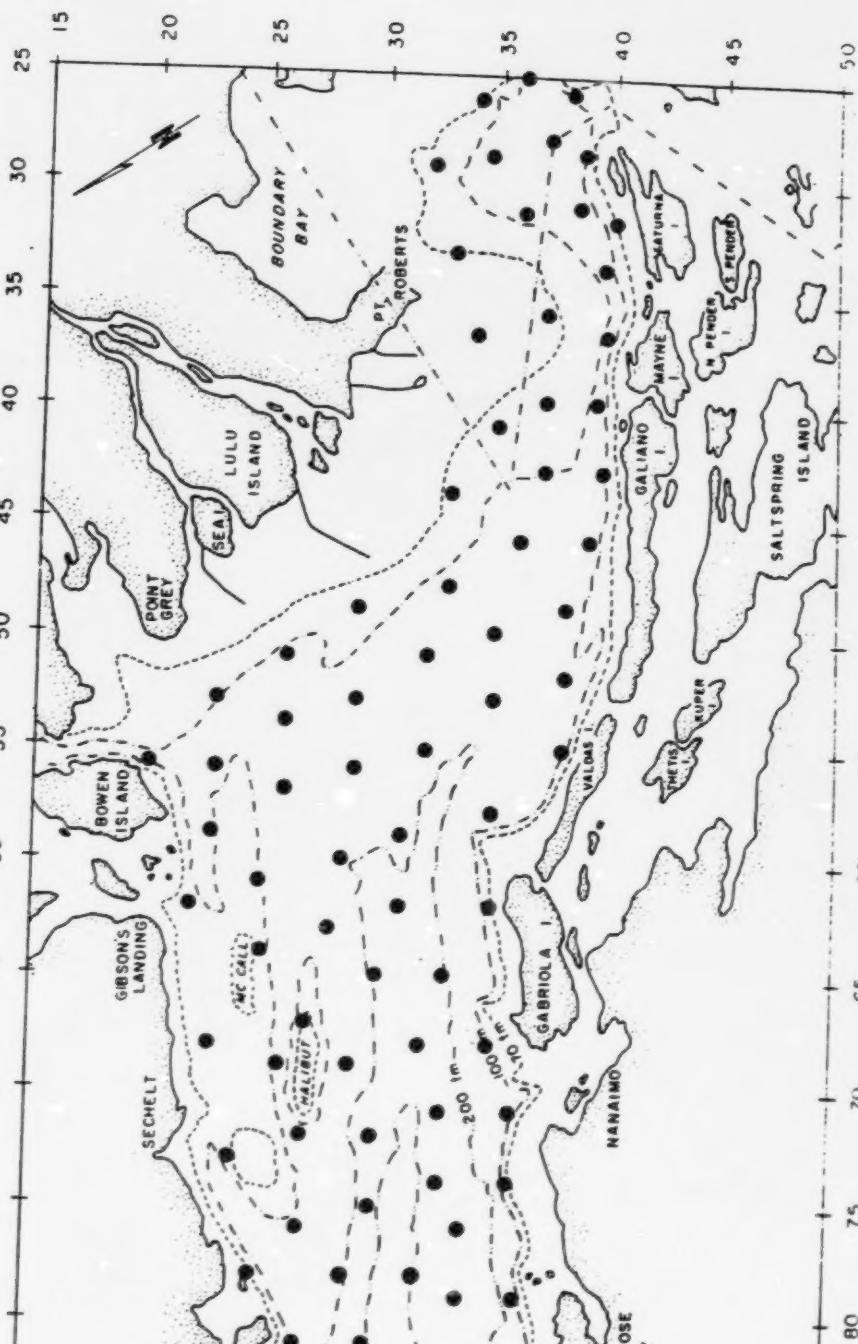

FIGURE 1. Sampling station locations for the 1981 Georgia Strait Ichthyoplankton Survey.